

Print Instructions for Print Vendors (Paper Manuals)

PARTS MANUAL

TOTAL PAGE COUNT: Less than 80

Paper Size:

- 11 x 17
- Body - 50 lbs brilliant white offset or equivalent.
- Cover - on 80 lbs coated, pre-printed "grid" cover stock

(NOTE: If total order quantity is less than 100 pieces, use uncoated cover stock)

Press:

- Body - 1-color, 2-sided
- Cover imprint - 1-color, 2-sided

Bindery:

- Fold & Staple (2X), Face Trim, 3-Hole Drill

TOTAL PAGE COUNT: 80 or greater

Paper Size:

- 8-1/2 x 11
- Body - 50 lbs brilliant white offset or equivalent.
- Cover - on 80 lbs coated, pre-printed "grid" cover stock

(NOTE: If total order quantity is less than 100 pieces, use uncoated cover stock)

Press:

- Body - 1-color, 2-sided
- Cover imprint - 1-color, 2-sided

Bindery:

- Perfect Bind, Face Trim (3 knife), 3-Hole Drill

GENERAL

COVERS:

- Covers are located at the beginning of this package.
- Back cover is the page IMMEDIATELY AFTER the front cover.
- If supplied, the "Hardware Identification & Torque Specifications" is located IMMEDIATELY AFTER the back cover. This page MUST be printed on the INSIDE of the BACK cover.
- Check the front cover for the individual part number (typically a 2xxxx or 182xxxx number).
- Check the front cover for the document number (TP 4xx - xxxx - xx - xx - xx)

BODY:

- ODD number pages are ALWAYS right hand pages, and EVEN number are ALWAYS left hand pages.

General:

- **This instruction page is NOT part of the manual and must NOT be printed.**
- Pages labeled with the text "THIS PAGE INTENTIONALLY BLANK" are placement pages ONLY, and should NOT be printed.

If you have any further questions regarding this manual, please contact Ken Cehonski in Ferris Industries Engineering Department at (315) 495-0100 ext. 249.

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PARTS MANUAL



Derby Colt

Zero-Turn Riding Mower

Model Number:

ZT2148

Description:

Colt, w/ 21 HP Briggs & Stratton & 48" Mower Deck

ZT2148B

Colt, w/ 21 HP Briggs & Stratton & 48" Mower Deck

ZT2148K

Colt, w/ 21 HP Kohler & 48" Mower Deck

ZT2352

Colt, w/ 23 HP Briggs & Stratton & 52" Mower Deck

ZT2352B

Colt, w/ 23 HP Briggs & Stratton & 52" Mower Deck

ZT2352K

Colt, w/ 23 HP Kohler & 52" Mower Deck

Derby mowers are built by
Ferris Industries, a
Simplicity company.

Ferris Industries
5375 North Main Street
Munnsville, NY 13409
800-933-6175

22819

Rev. No. 02

Rev. Date: 10/2003

TP 400-7034-02-CT-D



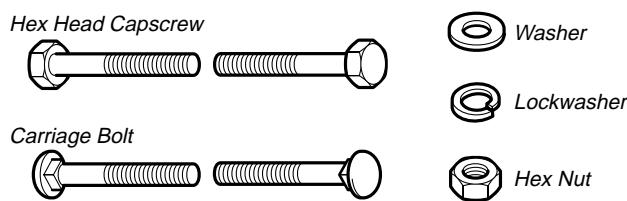
Ferris Industries
5375 North Main Street
Munnsville, NY 13409
800-933-6175

www.ferrisindustries.com

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Hardware Identification & Torque Specifications

Common Hardware Types

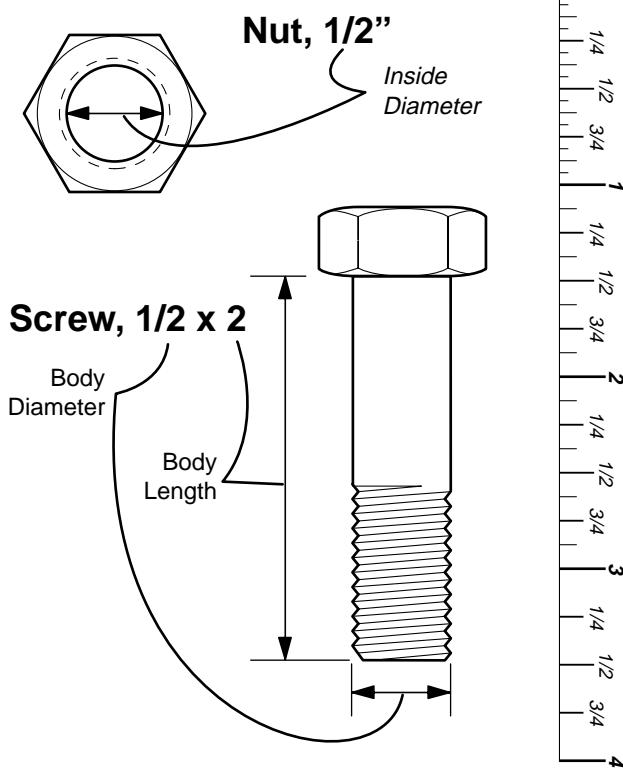


Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represents the *threads per inch*.

When a bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example), and the final number is the *body length* of the bolt or screw (2 inches long in this example).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Hardware Grade	No Marks		SAE Grade 5		SAE Grade 8	
	SAE Grade 2	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
 - a. For prevailing torque locknuts: use 65% of Grade 5 torque.
 - b. For flange whizlock nuts and screws: use 135% of Grade 5 torque.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Wrench & Fastener Size Guide



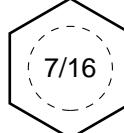
1/4" Bolt or Nut
Wrench—7/16"



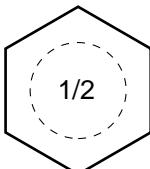
5/16" Bolt or Nut
Wrench—1/2"



3/8" Bolt or Nut
Wrench—9/16"



7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"



1/2" Bolt or Nut
Wrench—3/4"

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MOWER DECK COMPONENTS

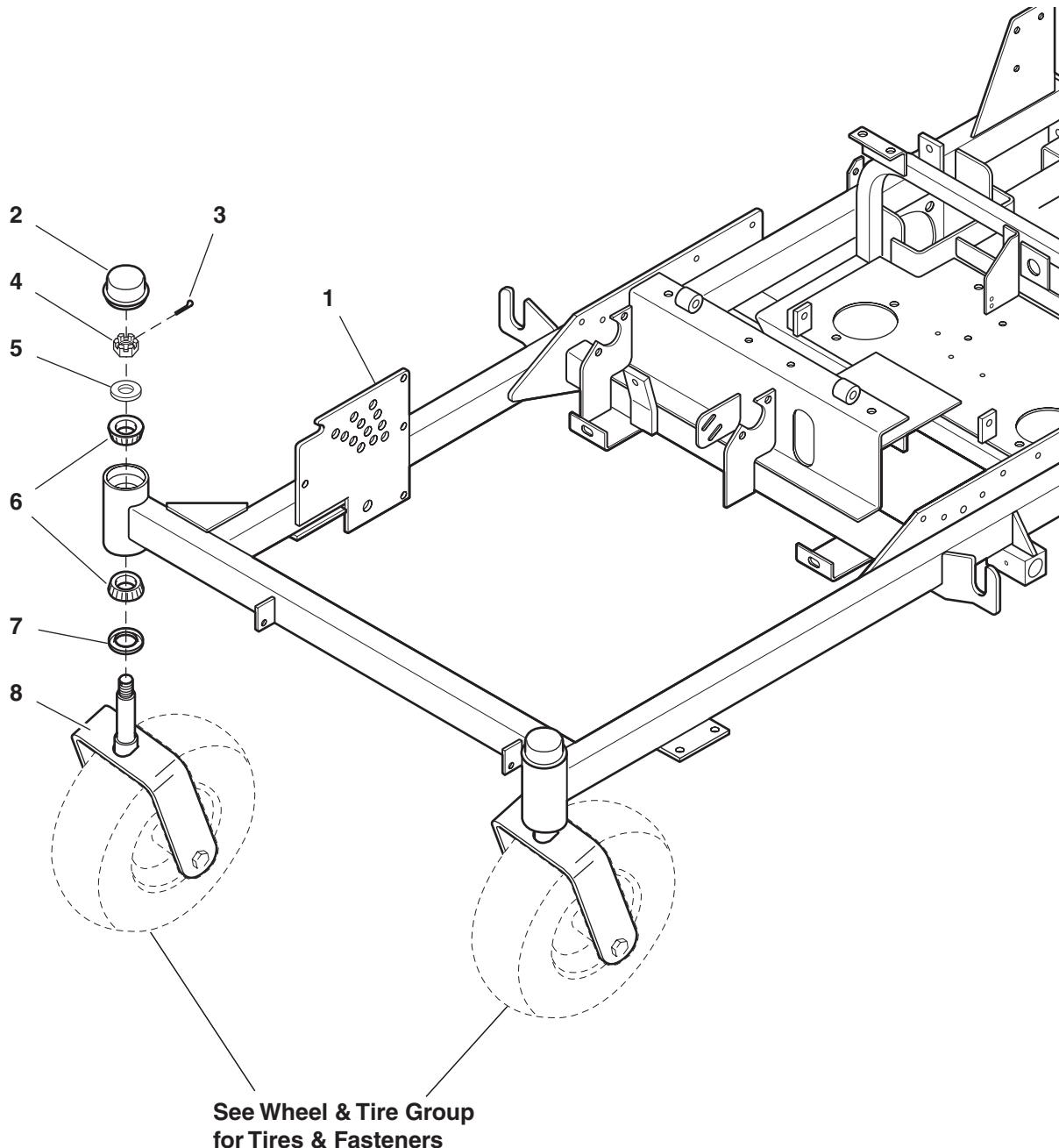
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REFERENCE INFORMATION:

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Main Frame & Front Caster Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



**See Wheel & Tire Group
for Tires & Fasteners**

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1847007	1	MAIN FRAME
2	21073	2	CAP
3	25203-10	2	PIN, Cotter
4	25104	2	NUT, Hex, Slotted, 3/4-16
5	25160	2	WASHER, 3/4
6	20884	4	BEARING, Tapered Roller
7	21072	2	SEAL, Grease
8	1847049	2	CASTER YOKE

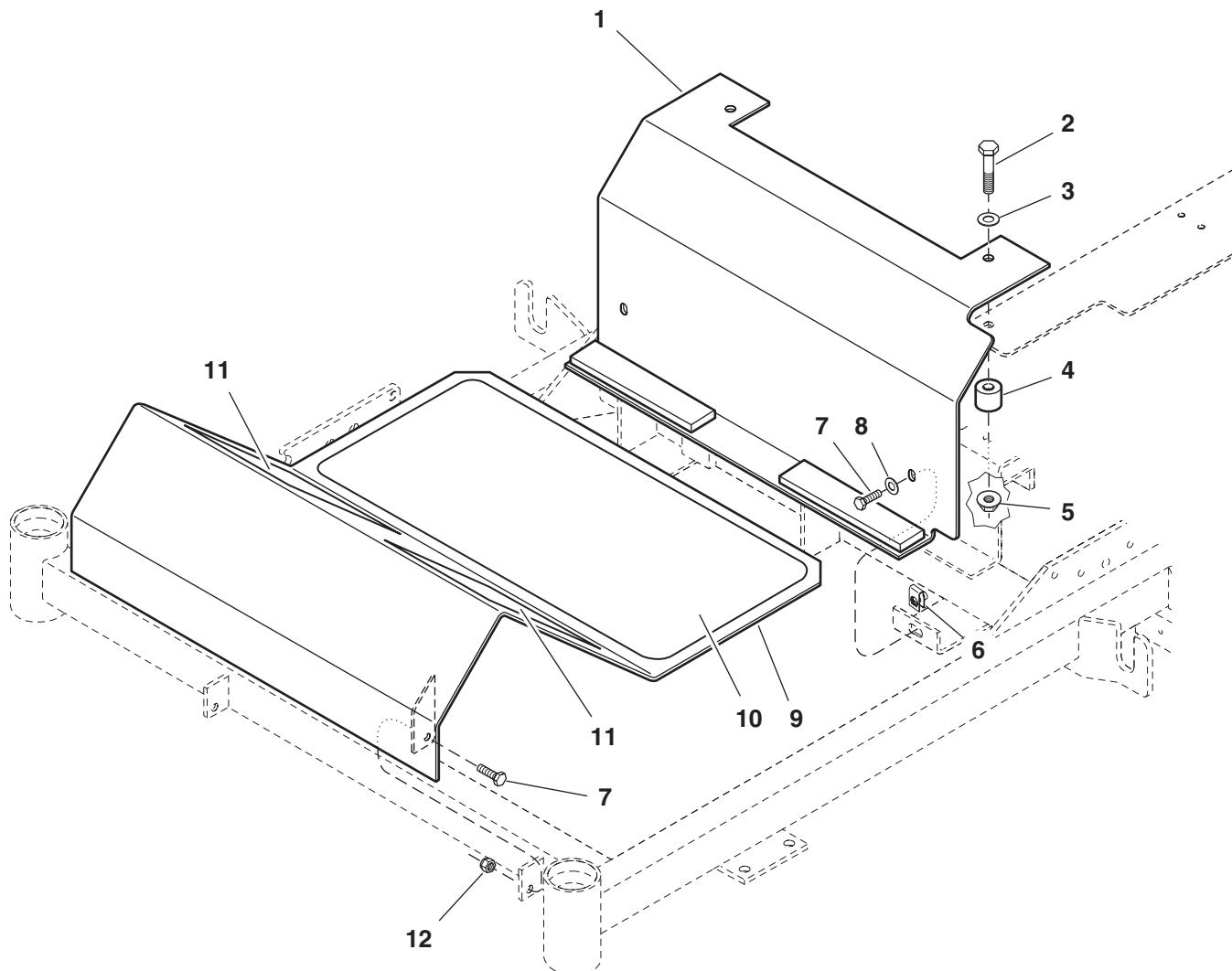
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Floor & Brake Cover Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1847069	1	BRAKE COVER PANEL
2	25013-16	2	CAPSCREW, Hex Hd, 3/8-16 x 2
3	25156	2	WASHER, 3/8
4	47125	2	SPACER, Cover Panel
5	25128	2	NUT, Hex, Serrated Flange, 3/8-16
6	22308	2	BODY CLIP, 5/16-18
7	25011-8	4	CAPSCREW, Hex Hd, 5/16-18 x 1
8	25155	2	WASHER, 5/16
9	1847113	1	FLOOR PLATE
10	44873	1	SAFETY WALK
11	47139	2	SAFETY WALK
12	25057	2	NUT, Hex, Nylon Lock, 5/16-18

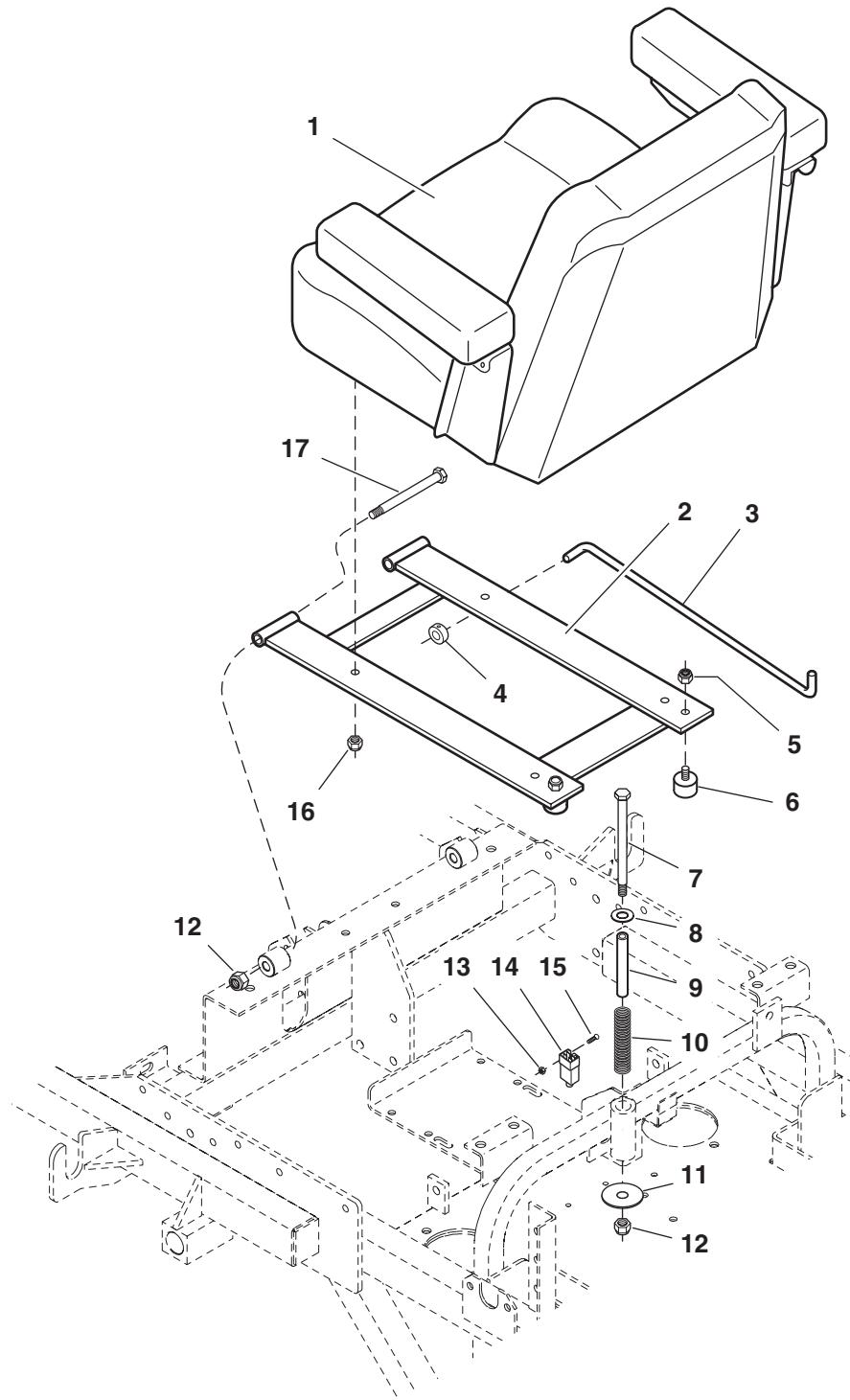
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Seat & Seat Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22363	1	SEAT, Brown (complete)
*	22363-1	1	CUSHION, Seat, Brown
*	22197-2	1	CUSHION, Back, Brown
*	22440	2	ARM REST, Black
2	1847744	1	SEAT MOUNT
3	46470	1	SEAT STOP ROD
4	20047	1	COLLAR, 5/16 Set
5	25095	2	NUT, Hex, Nylon Lock, 1/4-20
6	22673	2	RUBBER BUMPER
7	25013-48	1	CAPSCREW, Hex Hd, 3/8-16 x 6
8	25156	1	WASHER, 3/8
9	46586	1	SPACER, Seat Spring
10	22798	1	SPRING, Compression
11	25326	1	WASHER, 3/8 x 2
12	25096	3	NUT, Hex, Nylon Lock, 3/8-16
13	25029	2	NUT, Hex, #10-24
14	22095	1	SWITCH, NO/NC
15	25270	2	SCREW, #10-24 x 1
16	25057	4	NUT, Hex, Nylon Lock, 5/16-18
17	25013-32	2	CAPSCREW, Hex Hd, 3/8-16 x 4

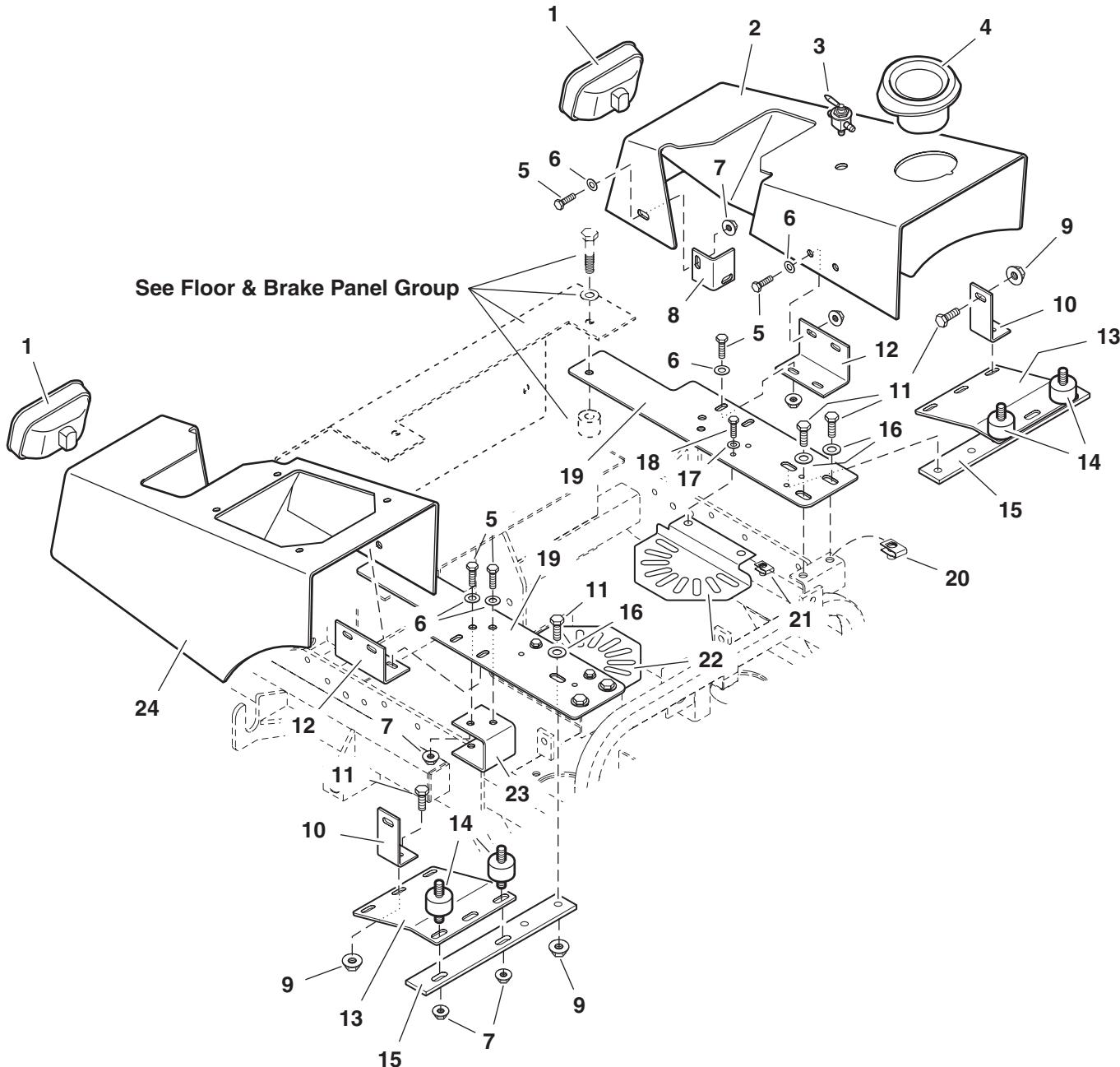
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Control Cover, Mount & Fan Shield Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Control Cover, Mount & Fan Shield Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1719230	2	HEADLIGHT ASSEMBLY, Complete
*	1719226	2	Headlight
*	1719227	2	Bezel
2	1846780	1	CONTROL COVER-RH
3	22030	1	VALVE, Fuel Shut Off
4	1719392	1	CUP HOLDER
5	25011-6	14	CAPSCREW, Hex Hd, 5/16-18 x 3/4
6	25155	14	WASHER, 5/16
7	25127	14	NUT, Hex, Serrated Flange, 5/16-18
8	1846706	1	SUPPORT, Cover-RH
*	1846705	1	SUPPORT, Cover-LH (not shown)
9	25128	6	NUT, Hex, Serrated Flange, 3/8-16
10	1846704	2	SUPPORT, Control Cover
11	25013-6	10	CAPSCREW, Hex Hd, 3/8-16 x 3/4
12	1846887	2	SUPPORT, Control Cover
13	1845887	2	DEBRIS GUARD
14	22395	4	RUBBER ISOLATOR
15	1845890	2	TANK MOUNT BAR
16	25156	10	WASHER, 3/8
17	25154	4	WASHER, 1/4
18	25010-6	4	CAPSCREW, Hex Hd, 1/4-20 x 3/4
19	1846890	2	FAN SHIELD MOUNT
20	22649	4	BODY CLIP, 3/8-16
21	22665	4	BODY CLIP, 1/4-20
22	1846645	2	FAN SHIELD
23	1846770	1	MOUNT, Oil Filter
24	1846779	1	CONTROL COVER-LH

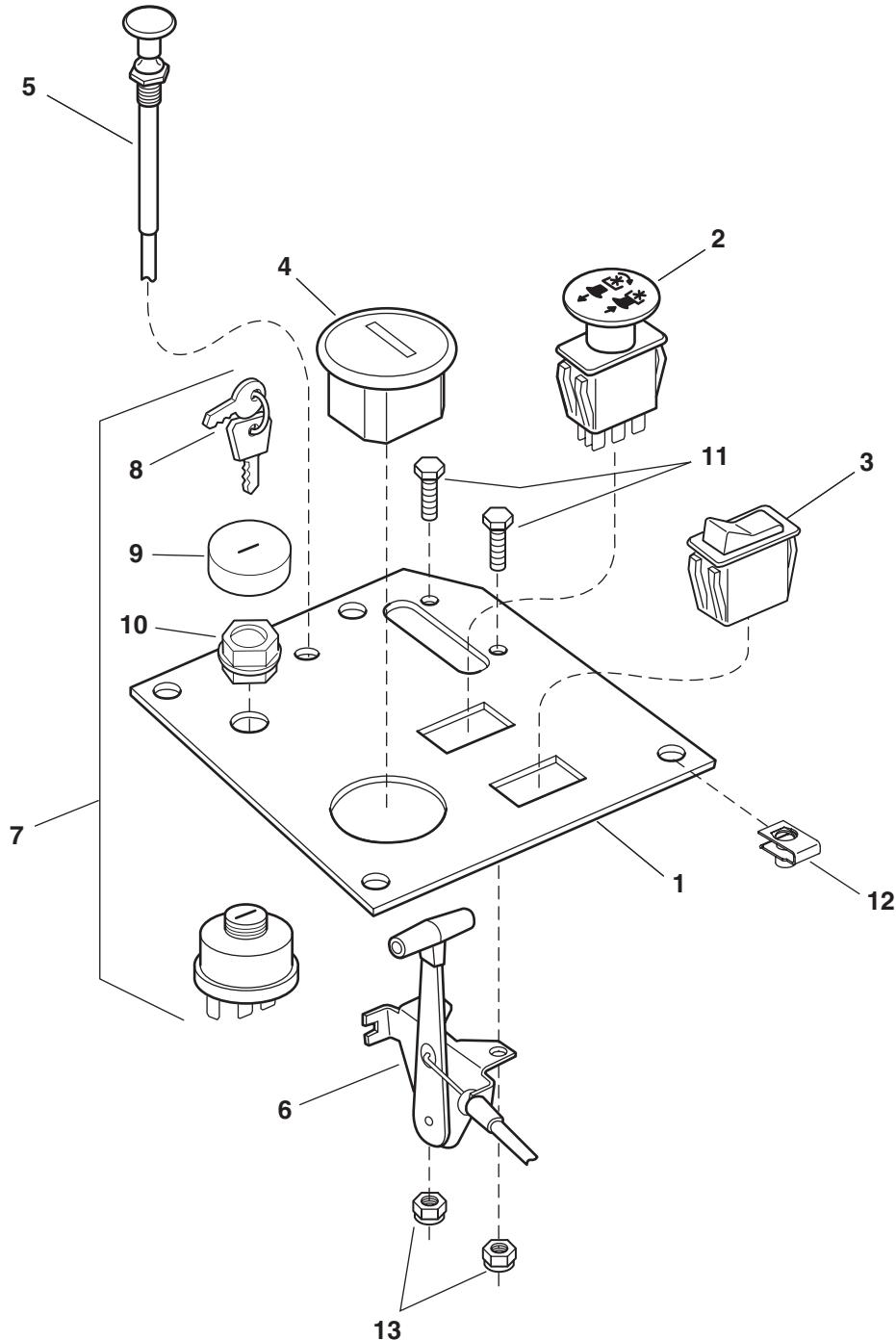
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Instrument Panel Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Instrument Panel Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1846758	1	INSTRUMENT PANEL
2	22180	1	SWITCH, PTO
3	1703799	1	SWITCH, Headlight
4	20060	1	HOURMETER
5	21663	1	CABLE, Choke Control (Briggs)
*	21675	1	CABLE, Choke Control (Kohler)
6	21887	1	CABLE, Throttle Control (Briggs)
*	21662	1	CABLE, Throttle Control (Kohler)
7	20927	1	SWITCH, Ignition, Complete (includes Ref No. 8-10)
8	22789	1	KEY, Ignition, Molded (Set of 2)
9	22790	1	COVER
10	22791	1	PLASTIC NUT
11	25010-6	2	CAPSCREW, Hex Hd, 1/4-20 x 3/4
12	22308	4	BODY CLIP, 5/16-18
13	25126	2	NUT, Hex, Nylon Lock, 1/4-20

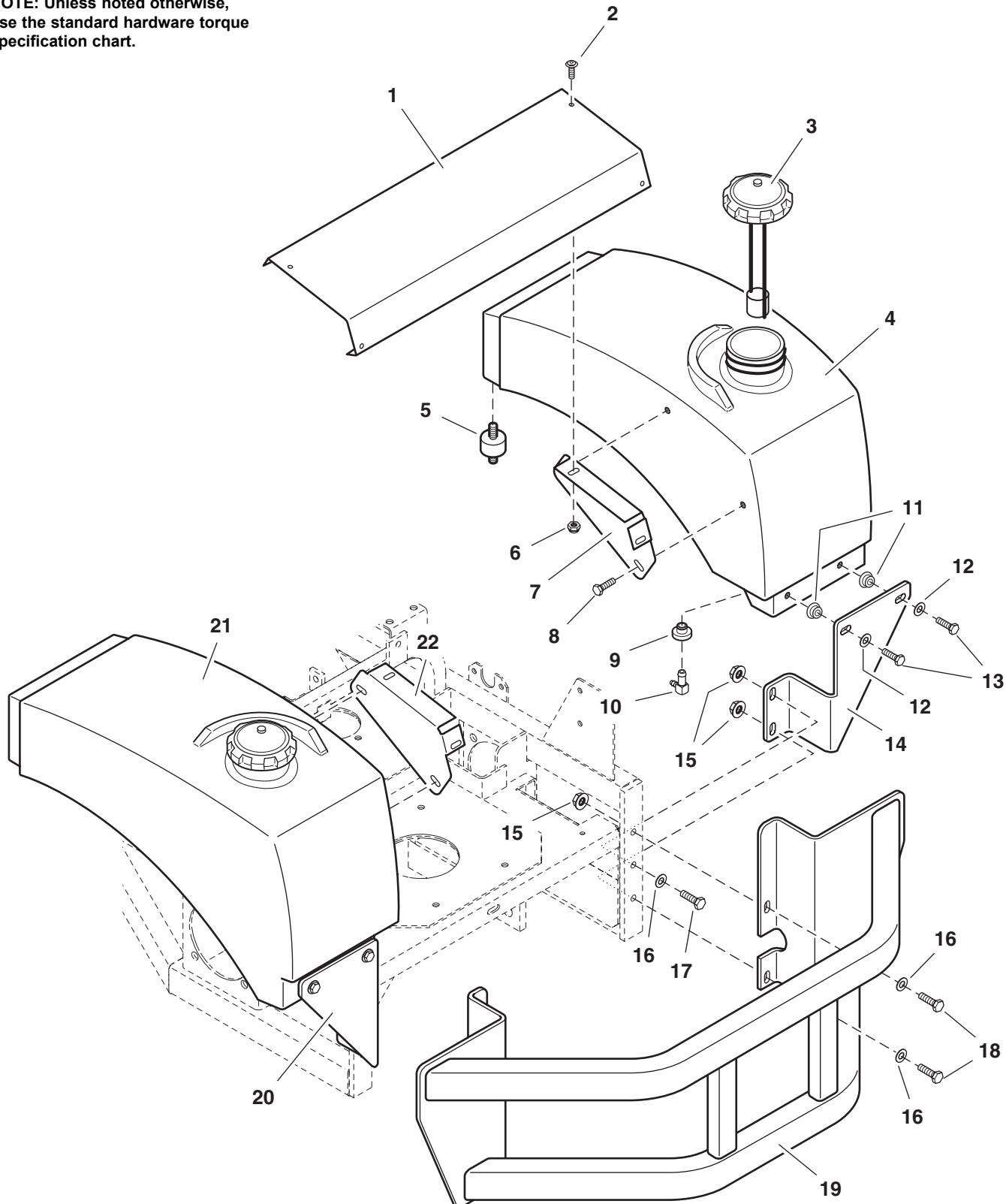
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Fuel Tank & Bumper Group

NOTE: Unless noted otherwise,
use the standard hardware torque
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The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Fuel Tank & Bumper Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1846698	1	FUEL TANK TIE BAR (Briggs)
*	1847347	1	FUEL TANK TIE BAR (Kohler)
2	25299-6	4	SCREW, Allen Hd, 1/4-20 x 3/4
3	45496	2	CAP w/ Gauge
4	45494	1	FUEL TANK-RH, Complete (includes Ref 9 & 10)
5	22395	4	RUBBER ISOLATOR
6	25126	4	NUT, Hex, Nylon Lock, 1/4-20
7	1846489	1	MOUNT, Tie Bar-RH (Briggs)
*	1847348	1	MOUNT, Tie Bar-RH (Kohler)
8	25011-6	4	CAPSCREW, Hex Hd, 5/16-18 x 3/4
9	1654930	2	RUBBER BUSHING
10	1674231	2	ELBOW FITTING
11	22394	4	RUBBER BUSHING
12	25155	4	WASHER, 5/16
13	25011-10	4	CAPSCREW, Hex Hd, 5/16-18 x 1-1/4
14	1846682	1	MOUNT, Fuel Tank-RH
15	25128	6	NUT, Hex, Serrated Flange, 3/8-16
16	25156	6	WASHER, 3/8
17	25013-8	2	CAPSCREW, Hex Hd, 3/8-16 x 1
18	25013-10	4	CAPSCREW, Hex Hd, 3/8-16 x 1-1/4
19	1846703	1	BUMPER
20	1846683	1	MOUNT, Fuel Tank-LH
21	45495	1	FUEL TANK-LH, Complete (includes Ref 9 & 10)
22	1846490	1	MOUNT, Tie Bar-LH (Briggs)
*	1847349	1	MOUNT, Tie Bar-LH (Kohler)

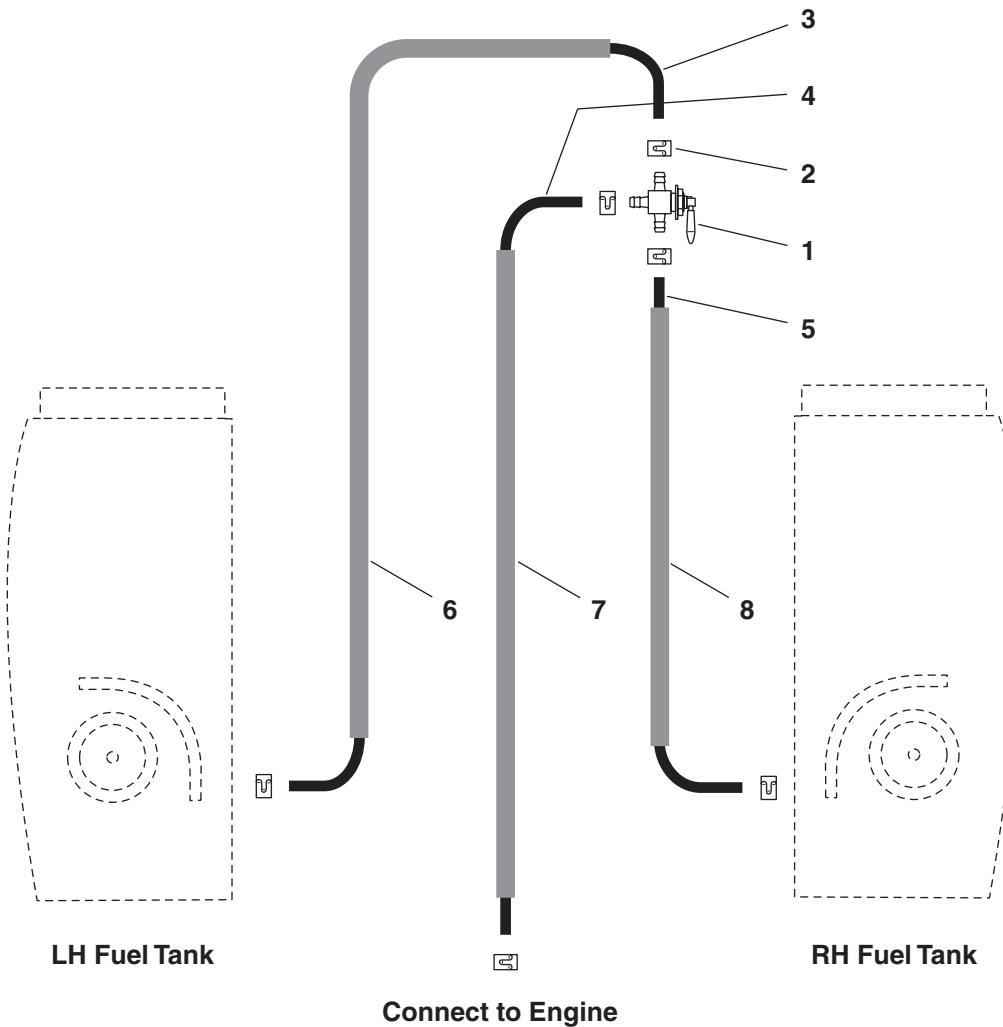
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Fuel Supply Hose Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Fuel Supply Hose Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22030	1	VALVE, Fuel Shut Off
2	20835	6	CLAMP, Hose
3	50831-55	1	HOSE, 55"
4	50831-50	1	HOSE, 50"
5	50831-36	1	HOSE, 36"
6	50833-54	1	WIRE LOOM, 54"
7	50833-49	1	WIRE LOOM, 49"
8	50833-35	1	WIRE LOOM, 35"

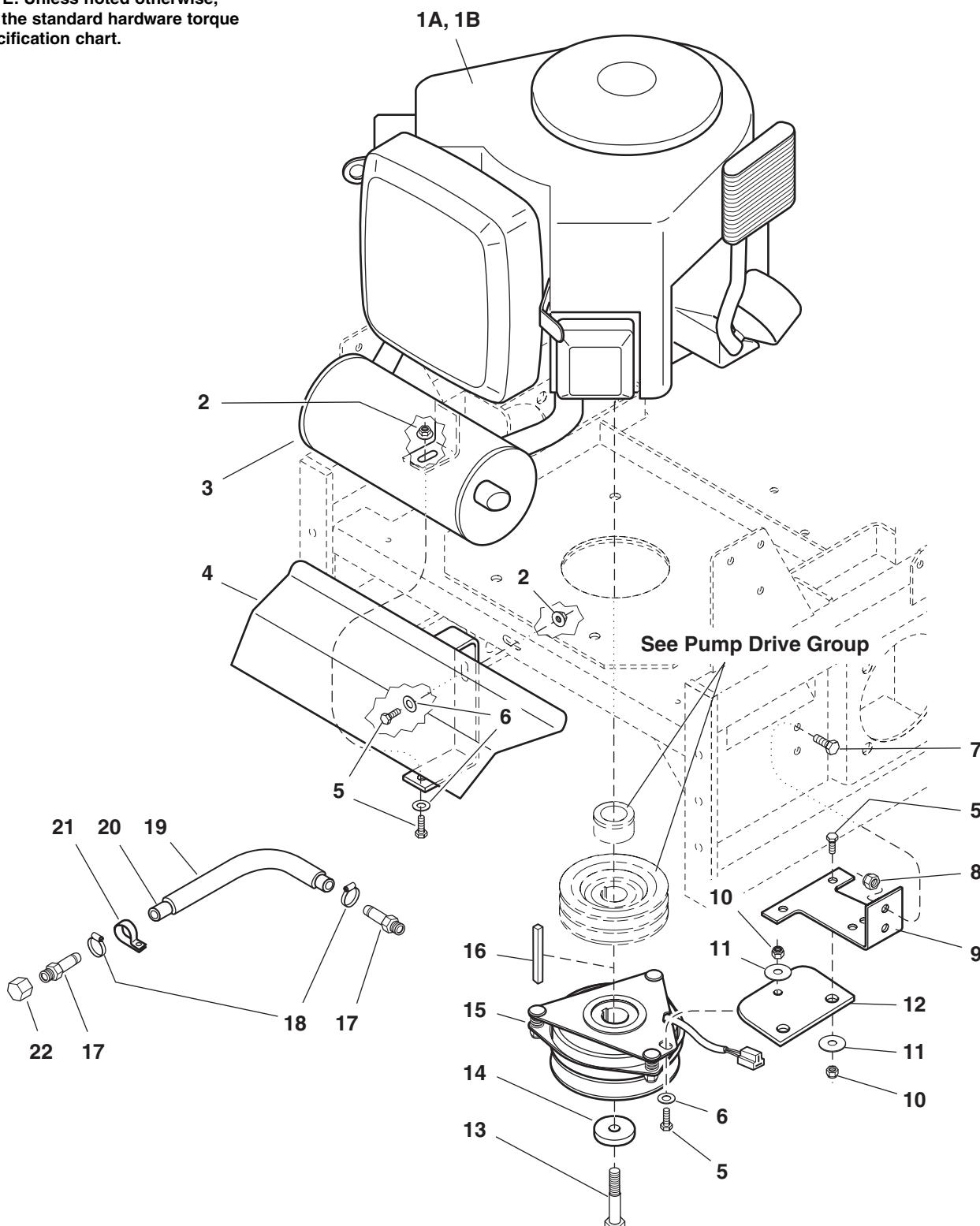
Footnotes:

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ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Engine & PTO Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower

Engine & PTO Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	22823	1	ENGINE, 21HP Briggs & Stratton, Model #381777
1B	22824	1	ENGINE, 23HP Briggs & Stratton, Model #380777
2	25127	2	NUT, Hex, Serrated Flange, 5/16-18
3	22837	1	MUFFLER
4	1846487	1	MUFFLER SUPPORT
5	25011-6	5	CAPSCREW, Hex Hd, 5/16-18 x 3/4
6	25155	3	WASHER, 5/16
7	25013-8	2	CAPSCREW, Hex Hd, 3/8-16 x 1
8	25096	2	NUT, Hex, Nylon Lock, 3/8-16
9	1847134	1	CLUTCH ANCHOR
10	25057	3	NUT, Hex, Nylon Lock, 5/16-18
11	25165	3	WASHER, Fender, 5/16
12	43636	1	PAD, Clutch Anchor
13	44853	1	CRANKSHAFT BOLT, 7/16 x 2
14	45475	1	RETAINER, Clutch
15	22584	1	ELECTRIC CLUTCH
16	50407-2	1	KEY, 1/4 Sq. x 3
17	21372	2	FITTING, 3/8NPT - 1/2 Str.
18	21392	2	HOSE CLAMP
19	50862-7	1	WIRE LOOM, 7"
20	50857-9	1	HOSE, 9"
21	21500	1	CLAMP, Vinyl
22	21466	1	CAP, 3/8NPT

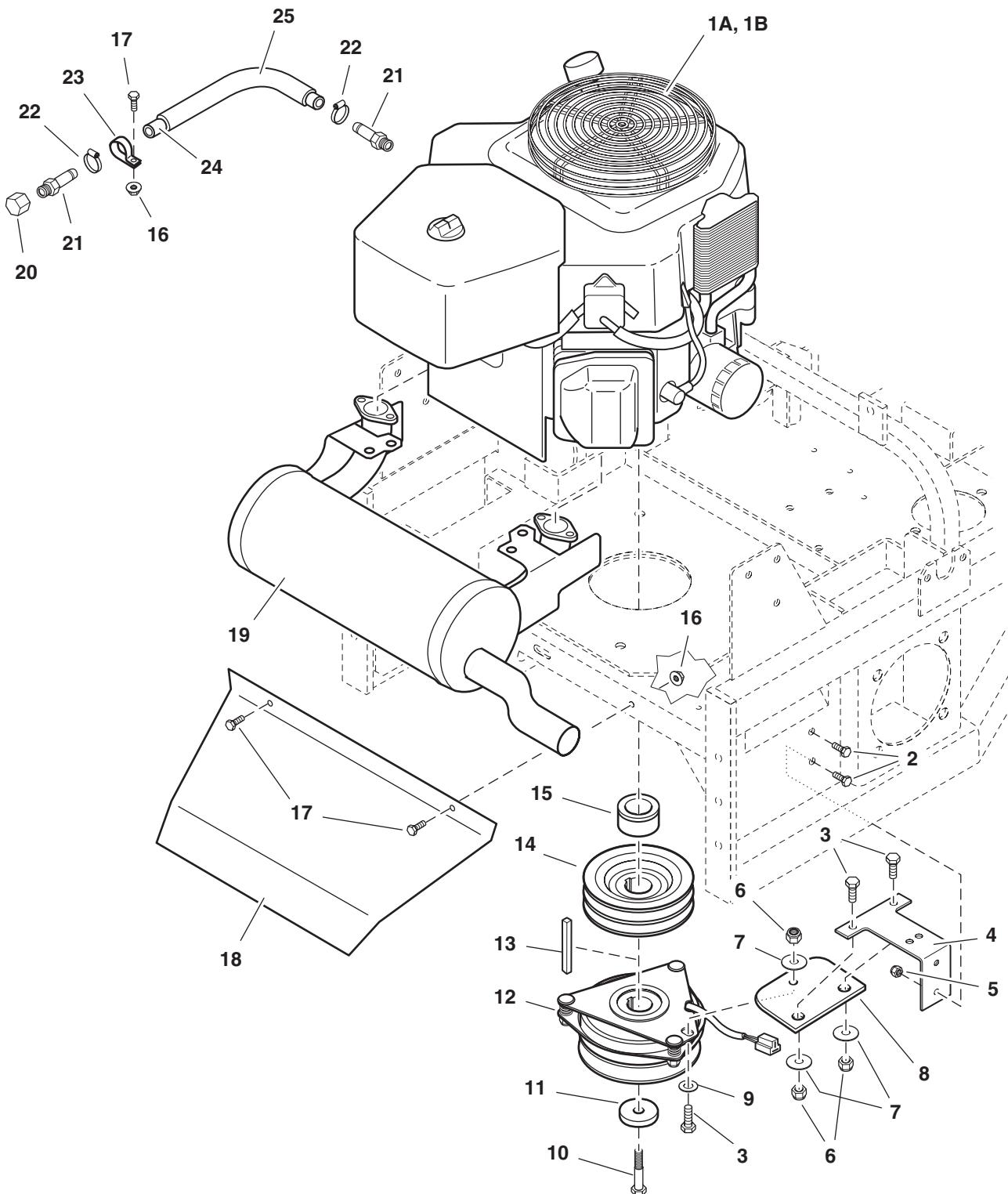
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower

Engine & PTO Group

**NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.**



The above parts group applies to the following Model Nos.:

These parts group applies to the following model numbers:

Engine & PTO Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	22888	1	ENGINE, 21HP Kohler
1B	22889	1	ENGINE, 23HP Kohler
*	21144-1	1	OIL FILTER
*	21178-3	1	FUEL FILTER
*	*	1	PRE-CLEANER (4508301)
*	*	1	AIR FILTER (4508302)
2	25011-6	2	CAPSCREW, Hex Hd, 5/16-18 x 3/4
3	25013-8	3	CAPSCREW, Hex Hd, 3/8-16 x 1
4	1847134	1	CLUTCH ANCHOR
5	25057	2	NUT, Hex, Nylon Lock, 5/16-18
6	25096	3	NUT, Hex, Nylon Lock, 3/8-16
7	25165	3	WASHER, Fender, 3/8
8	43636	1	CLUTCH ANCHOR PAD
9	25156	1	WASHER, 3/8
10	44853	1	CRANKSHAFT BOLT, 7/16 x 2
11	45475	1	RETAINER, Clutch
12	22584	1	ELECTRIC CLUTCH
13	50407-28	1	KEY, 1/4 Sq. x 3-1/2
14	47075	1	CRANKSHAFT PULLEY
15	47033	1	CRANKSHAFT SPACER
16	25126	3	NUT, Hex, Serrated Flange, 1/4-20
17	25010-6	3	CAPSCREW, Hex Hd, 1/4-20 x 3/4
18	1847346	1	MUFFLER HEAT SHIELD (for use with silver version muffler only)
19	22952	1	MUFFLER
20	21466	1	CAP, 3/8NPT
21	21372	2	FITTING, 3/8NPT - 1/2 Str.
22	21392	2	HOSE CLAMP
23	21500	1	CLAMP, Vinyl
24	50857-13	1	HOSE, 13"
25	50862-12	1	WIRE LOOM, 12"

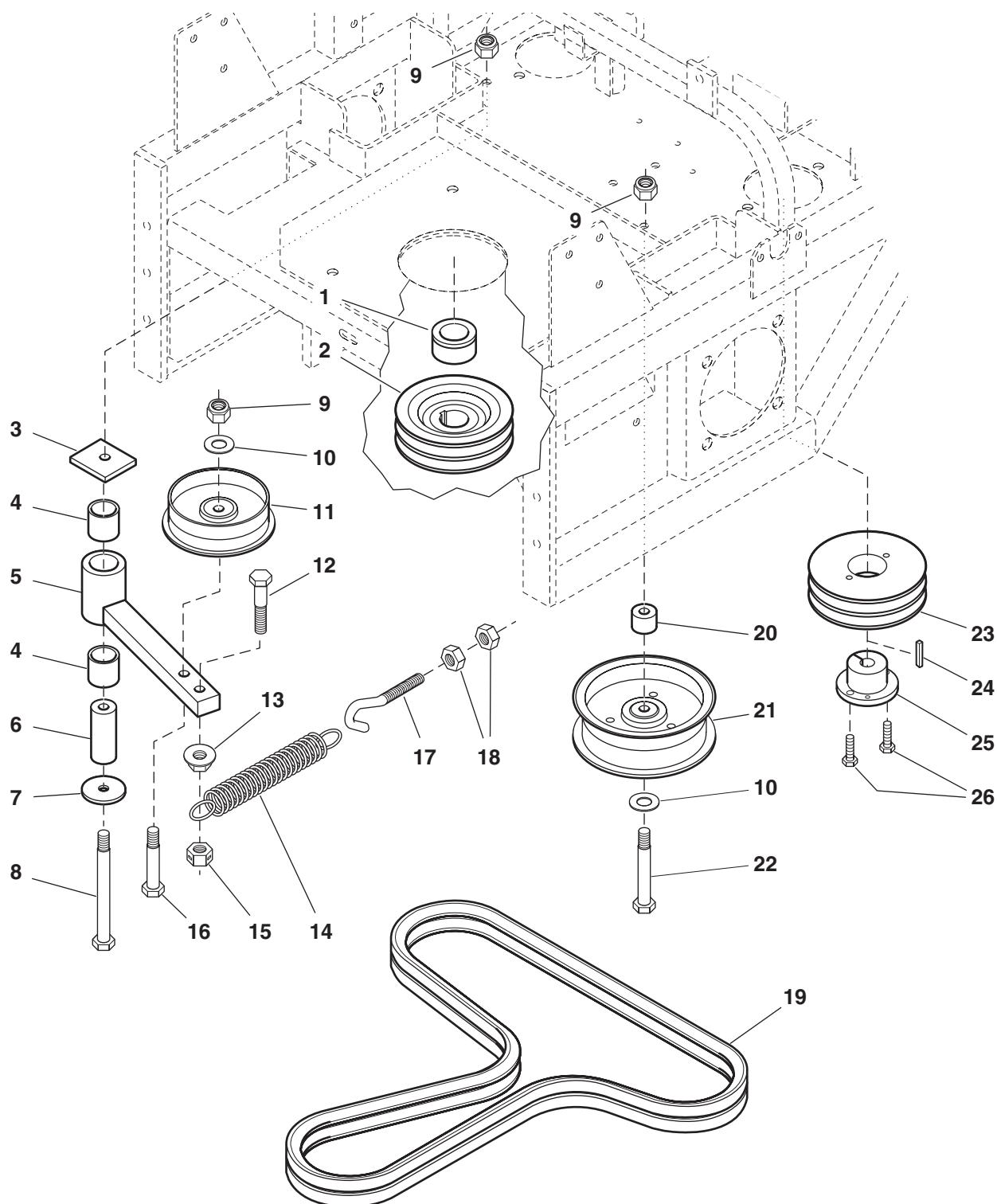
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148K Colt 21 HP Kohler Rider w/ 48" Mower
 ZT2352K Colt 23 HP Kohler Rider w/ 52" Mower

Pump Drive Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Pump Drive Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	46845	1	CRANKSHAFT SPACER
2	47075	1	CRANKSHAFT PULLEY
3	45090	1	SPACER, Idler Pivot
4	22157	2	BUSHING, Brass
5	1846430	1	PUMP DRIVE IDLER ARM
6	45135	1	SHAFT, Idler Pivot
7	45139	1	RETAINER, Idler Arm
8	25013-32	1	CAPSCREW, Hex Hd, 3/8-16 x 4
9	25096	3	NUT, Hex, Nylon Lock, 3/8-16
10	25156	2	WASHER, 3/8
11	22621	1	PULLEY, Idler (Single Flange)
12	25013-14	1	CAPSCREW, Hex Hd, 3/8-16 x 1-3/4
13	25128	1	NUT, Hex, Serrated Flange, 3/8-16
14A	21826	1	SPRING, Extension (48" Model - SN: 101-425) (52: Model - SN: 101-350)
14B	22847	1	SPRING, Extension (48" Model - SN: 426 & up) (52: Model - SN: 351 & up)
15	25100	1	NUT, Hex, Side Lock, 3/8-16
16	25013-18	1	CAPSCREW, Hex Hd, 3/8-16 x 2-1/4
17	25321	1	SCREW HOOK, 3/8-16 x 4-1/4
18	25034	2	NUT, Hex, 3/8-16
19	22314	1	BELT, Pump Drive (Set)
20	46446	1	SPACER, Idler
21	22620	1	PULLEY, Idler
22	25013-22	1	CAPSCREW, Hex Hd, 3/8-16 x 2-3/4
23	22586	2	PULLEY, Pump Drive
24	22156	2	KEY, 5mm x 25mm
25	22587	2	BUSHING, Tapered Hub
26	25010-8	4	CAPSCREW, Hex Hd, 1/4-20 x 1

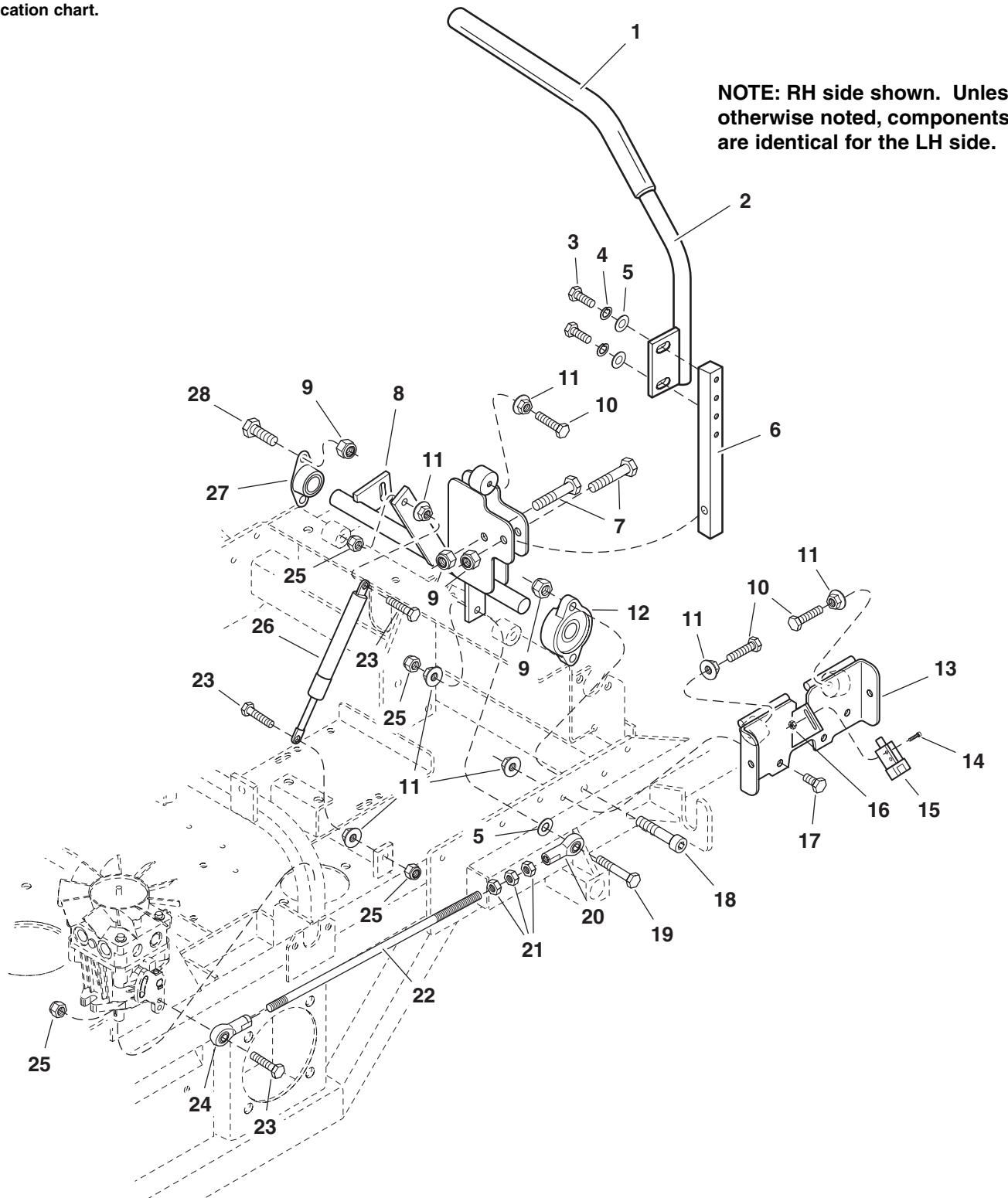
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Motion Control Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Motion Control Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22068	2	FOAM GRIP
2	1847056	1	MOTION CONTROL LEVER-RH
*	1847055	1	MOTION CONTROL LEVER-LH (not shown)
3	25011-6	4	CAPSCREW, Hex Hd, 5/16-18 x 3/4
4	25170	4	WASHER, Lock, 5/16
5	25155	8	WASHER, 5/16
6	47004	2	CONTROL LEVER BASE
7	25013-14	4	CAPSCREW, Hex Hd, 3/8-16 x 1-3/4
8	1847045	1	CONTROL SHAFT-RH
*	1847044	1	CONTROL SHAFT-LH (not shown)
9	25096	10	NUT, Hex, Nylon Lock, 3/8-16
10	25011-14	6	CAPSCREW, Hex Hd, 5/16-18 x 1-3/4
11	25127	20	NUT, Hex, Serrated Flange, 5/16-18
12	21499	2	BEARING, Flange
13	1847081	1	NEUTRAL LOCK BRACKET-RH
*	1847080	1	NEUTRAL LOCK BRACKET-LH (not shown)
14	25270	4	SCREW, #10-24 x 1
15	22095	2	SWITCH, NO/NC
16	25029	4	NUT, Hex, #10-24
17	25011-8	8	CAPSCREW, Hex Hd, 5/16-18 x 1
18	25327	4	CAPSCREW, Allen Hd, 3/8-16 x 1-1/4
19	25011-14	2	CAPSCREW, Hex Hd, 5/16-18 x 1-3/4
20	21146	2	BALL JOINT, 5/16-24
21	25033	6	NUT, Hex, 5/16-24
22	47102	2	HYDRO CONTROL ROD
23	25011-10	6	CAPSCREW, Hex Hd, 5/16-18 x 1-1/4
24	22628	2	BALL JOINT, 5/16-24 LH
25	25057	8	NUT, Hex, Nylon Lock, 5/16-18
26	22615	2	DAMPENER
27	21098	2	BEARING, Flange
28	25013-8	2	CAPSCREW, Hex Hd, 3/8-16 x 1

Footnotes:

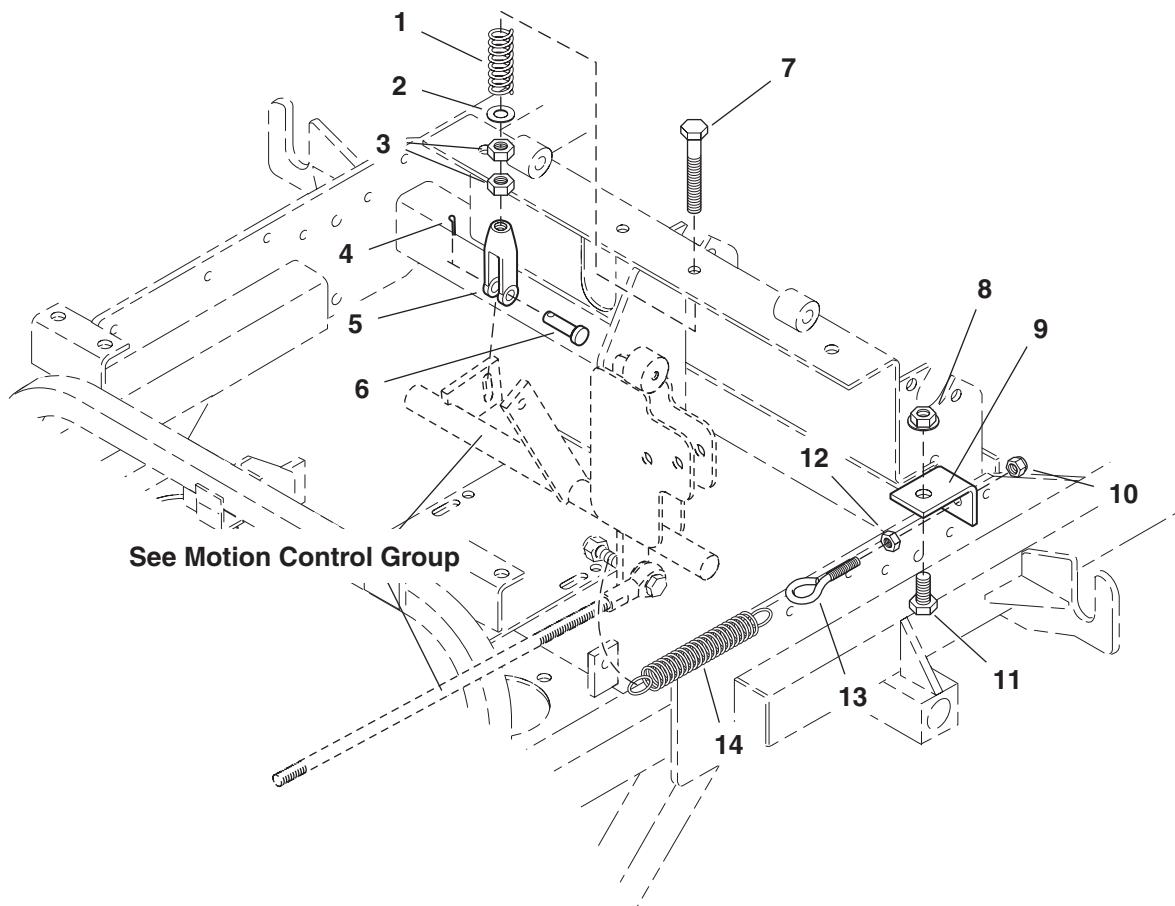
The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Motion Control - Neutral Return Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

NOTE: RH side shown. Unless
otherwise noted, components
are identical for the LH side.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Motion Control - Neutral Return Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22645	2	SPRING, Reverse Return
2	25155	2	WASHER, 5/16
3	25033	4	NUT, Hex, 5/16-24
4	25201-6	2	COTTER PIN
5	20979	2	CLEVIS, 5/16-24
6	25213-8	2	PIN, Clevis, 5/16 x 1
7	47137	2	REVERSE RETURN BOLT
8	25127	2	NUT, Hex, Serrated Flange, 5/16-18
9	1846918	2	BRACKET, Neutral Adjust
10	25095	2	NUT, Hex, Nylon Lock, 1/4-20
11	25011-6	2	CAPSCREW, Hex Hd, 5/16-18 x 3/4
12	25030	2	NUT, Hex, 1/4-20
13	22205	2	EYEBOLT
14	20807	2	SPRING, Extension

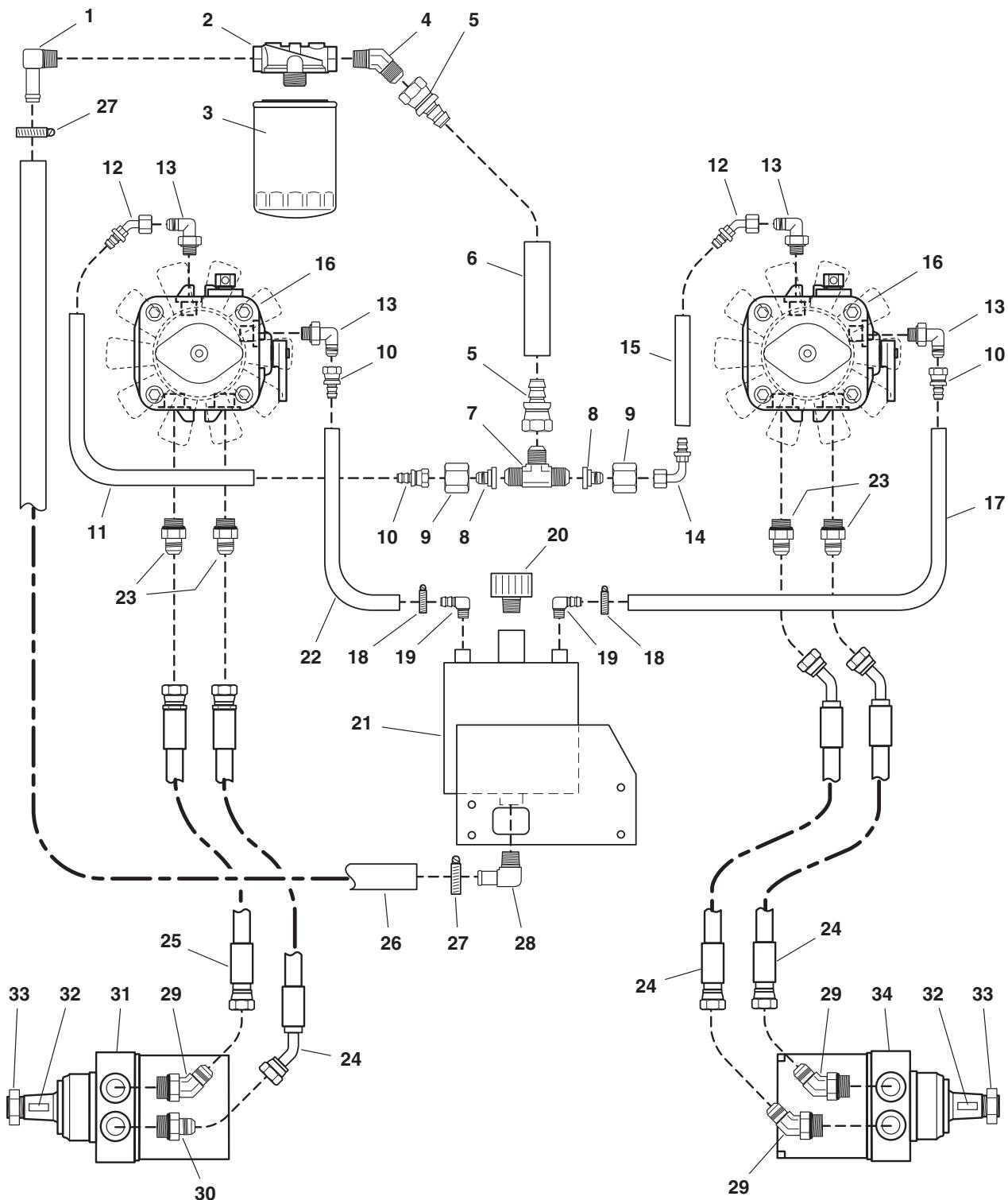
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Hydraulic Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Hydraulic Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	21233	1	FITTING, 1/2" NPT, 90 Deg.
2	21356	1	FILTER HEAD
3	21357	1	FILTER
4	22720	1	FITTING, 1/2" NPT, 45 Deg.
5	22719	2	FITTING, Hydraulic, Straight Swivel
6	50848-7.5	1	HOSE, Hydraulic, 7-1/2"
7	22718	1	FITTING, Tee
8	22716	2	ADAPTER, Tee
9	22717	2	NUT, Adapter
10	22713	3	FITTING, Hydraulic, Straight Swivel
11	50860-13.75	1	HOSE, Hydraulic, 13-3/4"
12	22714	2	FITTING, Hydraulic, 45 Deg. Swivel
13	22712	4	FITTING, Hydraulic, O-Ring, 90 Deg.
14	22715	1	FITTING, Hydraulic, 90 Deg. Swivel
15	50860-6.75	1	HOSE, Hydraulic, 6-3/4"
16	22571	2	HYDRAULIC PUMP w/ FAN
*	22571-2	2	Fan & Hub
17	50860-29	1	HOSE, Hydraulic, 29"
18	21392	2	HOSE CLAMP, #6
19	22708	2	FITTING, 1/4" NPT, 90 Deg.
20	22705	1	BREATHER
21	1847108	1	HYDRAULIC RESERVOIR
22	50860-20	1	HOSE, Hydraulic, 20"
23	22633	4	FITTING, Hydraulic, O-Ring Adapter
24	22710	3	HYDRAULIC HOSE ASSEMBLY, 25"
25	22711	1	HYDRAULIC HOSE ASSEMBLY, 21"
26	50848-16.5	1	HOSE, Hydraulic, 16-1/2"
*	50848-18.5	1	HOSE, Hydraulic, 18-1/2"
27	21164	2	HOSE CLAMP, #10
28	22707	1	FITTING, 1/2" NPT, 90 Deg.
29	22709	3	FITTING, Hydraulic, O-Ring, 45 Deg.
30	22634	1	FITTING, Hydraulic, O-Ring Adapter
31	22822L	1	HYDRAULIC WHEEL MOTOR-LEFT, Complete (includes Ref 32 & 33)
32	22042-2	2	KEY
33	22042-3	2	CASTLE NUT & COTTER PIN
34	22822R	1	HYDRAULIC WHEEL MOTOR-RIGHT, Complete (includes Ref 32 & 33)

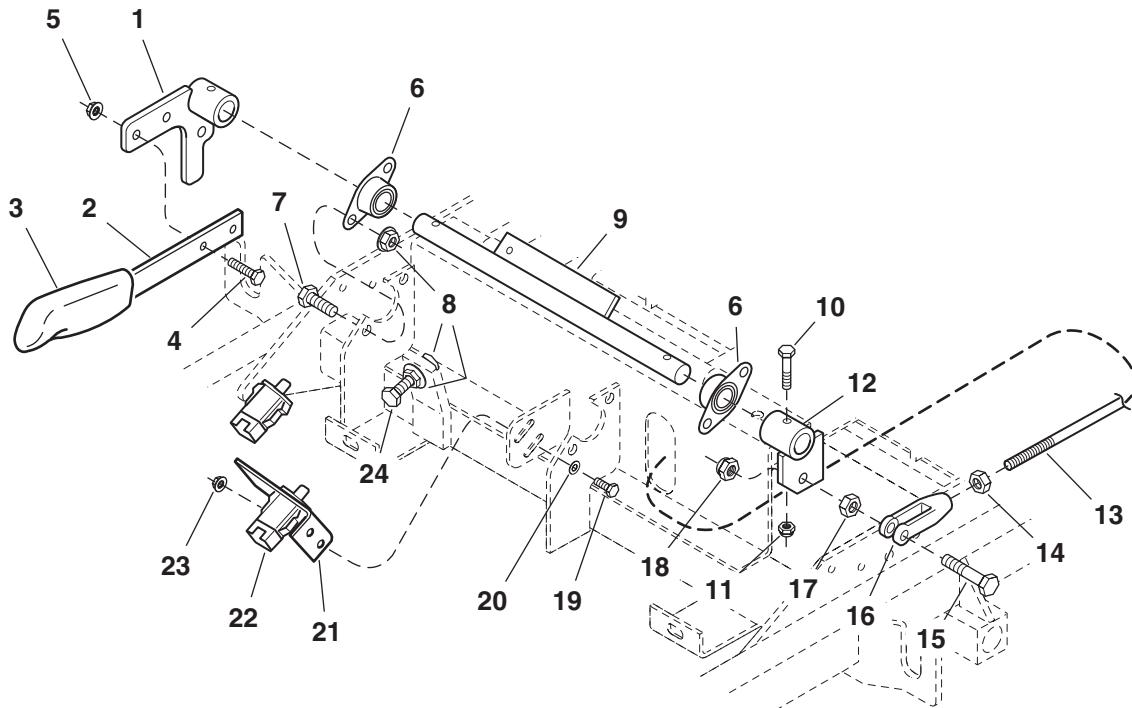
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Parking Brake Group - Upper

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Parking Brake Group - Upper

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1845616	1	BRAKE HANDLE MOUNT
2	1845619	1	BRAKE HANDLE
3	1722302	1	GRIP
4	25011-8	2	CAPSCREW, Hex Hd, 5/16-18 x 1
5	25127	2	NUT, Hex, Serrated Flange, 5/16-18
6	21098	2	BEARING, Flange
7	25013-6	4	CAPSCREW, Hex Hd, 3/8-16 x 3/4
8	25128	6	NUT, Hex, Serrated Flange, 3/8-16
9	1847083	1	BRAKE HANDLE SHAFT
10	25010-14	2	CAPSCREW, Hex Hd, 1/4-20 x 1-3/4
11	25095	2	NUT, Hex, Nylon Lock, 1/4-20
12	1847146	1	BRAKE LINKAGE PIVOT
13	47119	1	BRAKE CONNECTING ROD
14	25035	1	NUT, Hex, 3/8-24
15	25013-16	1	CAPSCREW, Hex Hd, 3/8-16 x 2
16	21171	1	CLEVIS, 3/8-24
17	25034	1	NUT, Hex, 3/8-16
18	25096	1	NUT, Hex, Nylon Lock, 3/8-16
19	25010-6	2	CAPSCREW, Hex Hd, 1/4-20 x 3/4
20	25154	2	WASHER, 1/4
21	1845621	1	SWITCH MOUNT BRACKET
22	22182	2	SWITCH, NO/NC
23	25126	2	NUT, Hex, Serrated Flange, 1/4-20
24	25058-14	1	CAPSCREW, Hex Hd, TFL, 3/8-16 x 1-3/4

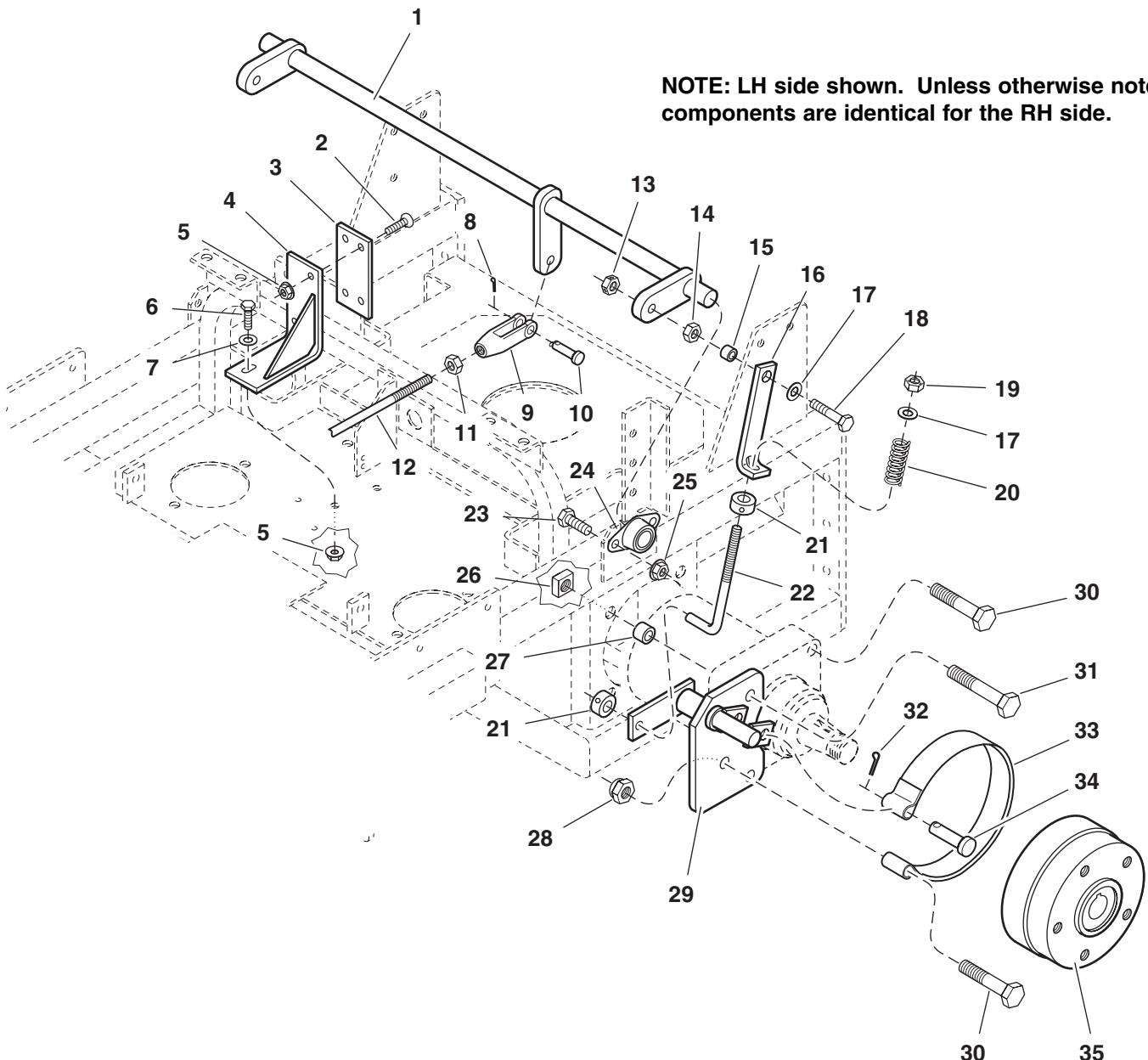
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Parking Brake Group - Lower

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Parking Brake Group - Lower

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1847128	1	BRAKE CROSS SHAFT
2	25303	2	SCREW, Flat Head, Socket, 5/16-18 x 1
3	45990	1	FRICITION PLATE
4	1847153	1	SUPPORT, Brake Shaft
5	25127	4	NUT, Hex, Serrated Flange, 5/16-18
6	25011-8	2	CAPSCREW, Hex Hd, 5/16-18 x 1
7	25155	2	WASHER, 5/16
8	25201-6	1	COTTER PIN
9	21171	1	CLEVIS, 3/8-24
10	25214-8	1	PIN, Clevis, 3/8 x 1
11	25035	1	NUT, Hex, 3/8-24
12	47119	1	BRAKE CONNECTING ROD
13	25100	2	NUT, Hex, Side Lock, 3/8-16
14	25034	2	NUT, Hex, 3/8-16
15	41930-009	2	PIVOT SLEEVE
16	1847084	2	BRAKE LINK
17	25156	4	WASHER, 3/8
18	25013-12	2	CAPSCREW, Hex Hd, 3/8-16 x 1-1/2
19	25046	2	NUT, Hex, Top Lock, 3/8-16
20	22361	2	BRAKE SPRING
21	10546	4	COLLAR, Set, 3/8
22	47091	2	ROD, Brake Adjustment
23	25013-6	4	CAPSCREW, Hex Hd, 3/8-16 x 3/4
24	21098	2	BEARING, Flange
25	25128	4	NUT, Hex, Serrated Flange, 3/8-16
26	25330	8	NUT, Square, 1/2-13
27	47027	8	SPACER, Wheel Motor
28	25056	2	NUT, Hex, Nylon Lock, 1/2-13
29	1847089	1	BRAKE BAND SHAFT-LH
*	1847090	1	BRAKE BAND SHAFT-RH (not shown)
30	25017-24	6	CAPSCREW, Hex Hd, 1/2-13 x 3
31	25017-28	4	CAPSCREW, Hex Hd, 1/2-13 x 3-1/2
32	25202-10	2	COTTER PIN
33	22607	2	BRAKE BAND
34	25328-16	2	PIN, Clevis, 1/2 x 2
35	47052	2	BRAKE HUB

Footnotes:

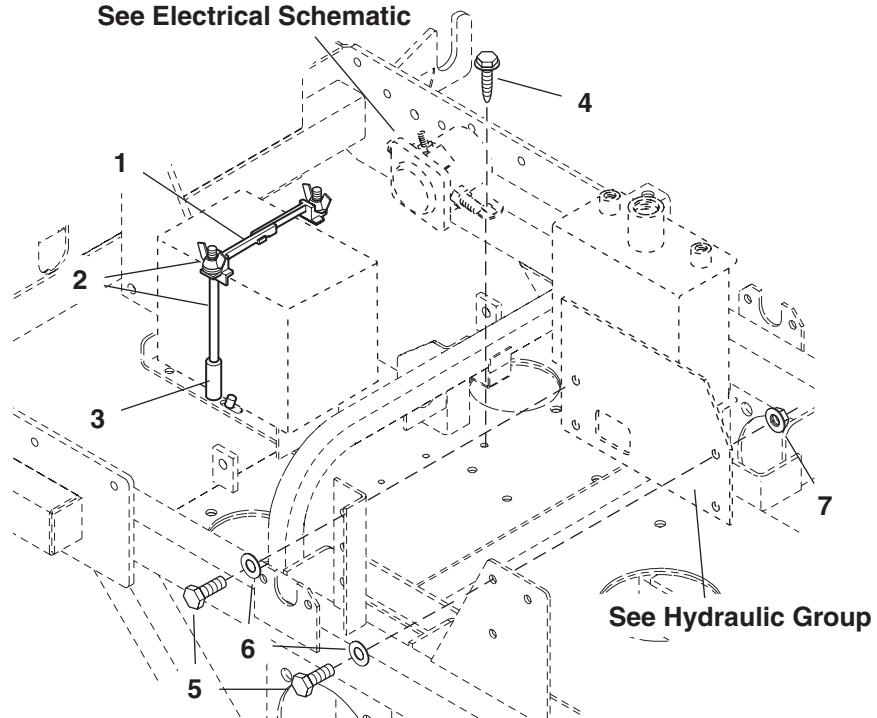
The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Battery Mount, Reservoir Mount & Solenoid Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

See Electrical Schematic



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Battery Mount, Reservoir Mount & Solenoid Mount Group

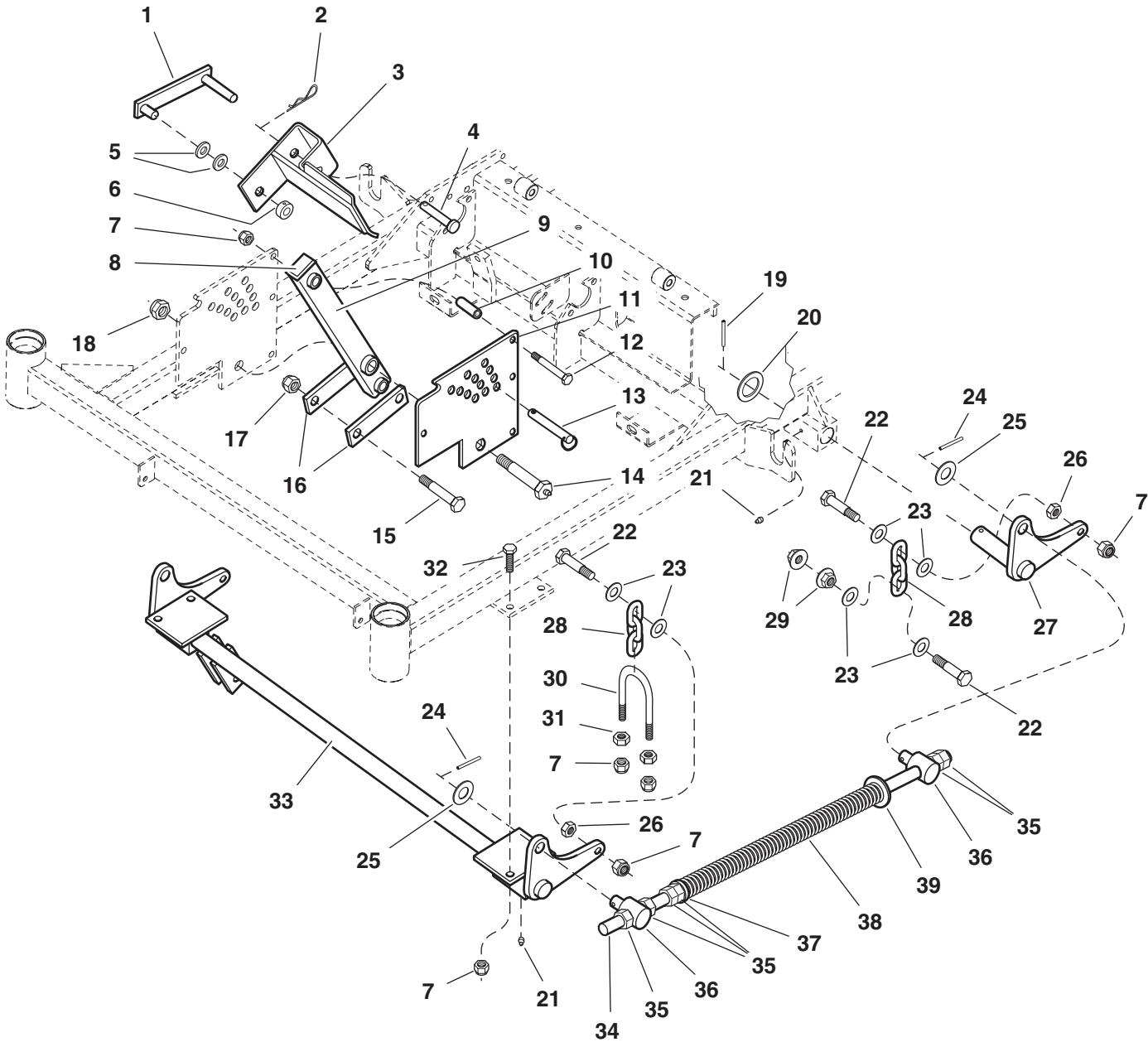
REF NO.	PART NO.	QTY.	DESCRIPTION
1	22595	1	BATTERY HOLDDOWN
2	22596	2	BATTERY HOLDDOWN BOLT
3	50831-3	2	HOSE, 3"
4	25279-6	2	CAPSCREW, Hex Hd, Self-Tap, 1/4-20-3/4
5	25011-8	4	CAPSCREW, Hex Hd, 5/16-18 x 1
6	25155	4	WASHER, 5/16
7	25127	4	NUT, Hex, Serrated Flange, 5/16-18

Footnotes:**The above parts group applies to the following Model Nos.:**

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Deck Lift Group

**NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.**



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Deck Lift Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1844999	1	DECK LIFT LOCK
2	25210	1	HAIRPIN CLIP
3	1845058	1	DECK LIFT PEDAL
*	44875	1	SAFETY WALK, Deck Lift Pedal (not shown)
4	22044	1	PIN, Clevis, 1/2 x 2-1/2
5	25158	2	WASHER, 1/2
6	10580	1	COLLAR, Set, 1/2
7	25096	16	NUT, Hex, Nylon Lock, 3/8-16
8	22097	1	CAP
9	1844987	1	ARM, Deck Lift Pivot
10	44992-009	4	SPACER, Lift Plate
11	1847043	1	DECK HEIGHT PLATE
12	25013-22	4	CAPSCREW, Hex Hd, 3/8-16 x 2-3/4
13	22045	1	PIN, 1/2 x 3
14	44993	1	LIFT PIVOT BOLT
15	25018-24	1	CAPSCREW, Hex Hd, 1/2-20 x 3
16	1847105	2	LINK, Deck Lift
17	25098	2	NUT, Hex, Nylon Lock, 1/2-20
18	25282	1	NUT, Hex Jam, Nylon Lock, 5/8-11
19	25516	2	PIN, Roll, 3/16 x 1-1/2
20	21253	2	SHIM
21	20095	4	GREASE FITTING
22	25013-14	6	CAPSCREW, Hex Hd, 3/8-16 x 1-3/4
23	25156	12	WASHER, 3/8
24	22366	4	PIN, Spring, 3/16 x 1-1/4
25	25281	4	WASHER, 5/8
26	25084	2	NUT, Hex Jam, 3/8-16
27	1845449	1	DECK LIFT PIVOT-LH
*	1845450	1	DECK LIFT PIVOT-RH (not shown)
28	50878-3	4	CHAIN, 3 Links
29	25128	4	NUT, Hex, Serrated Flange, 3/8-16
30	25325	2	U-Bolt
31	25034	4	NUT, Hex, 3/8-16
32	25013-10	2	CAPSCREW, Hex Hd, 3/8-16 x 1-1/4
33	1845451	1	DECK LIFT SHAFT & MOUNT ASSEMBLY
34	45446	2	SPRING ROD
35	25040	12	NUT, Hex, 5/8-11
36	45447	4	SPRING ROD PIVOT
37	41477	2	SPACER
38	22668	2	SPRING, Deck Lift
39	25159	2	WASHER, USS, 5/8

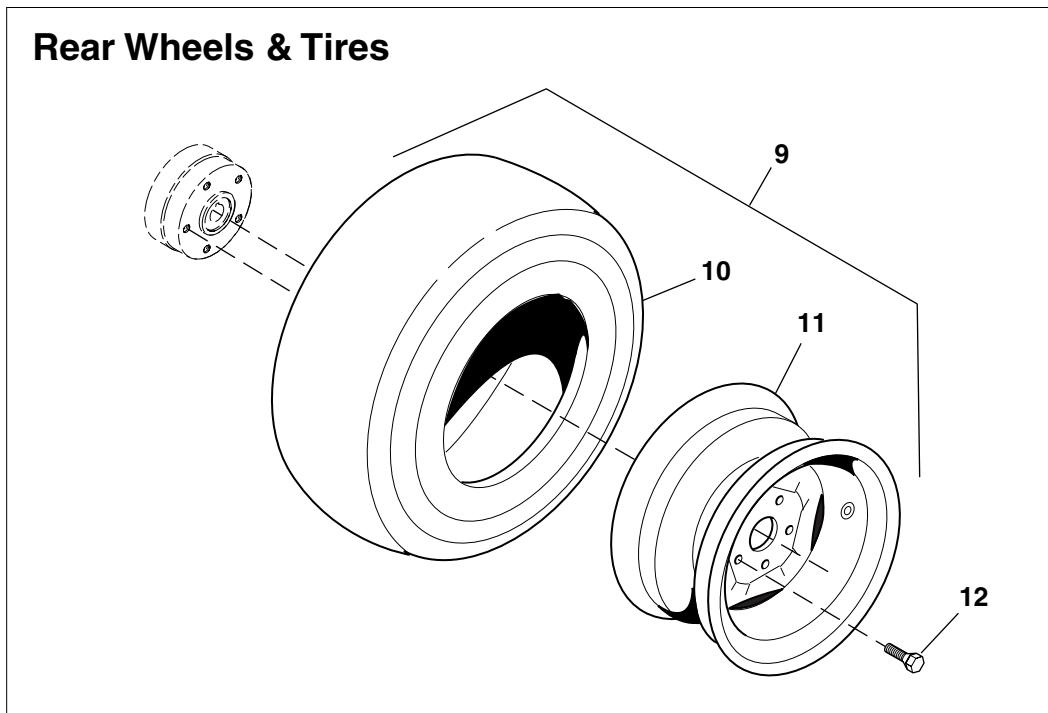
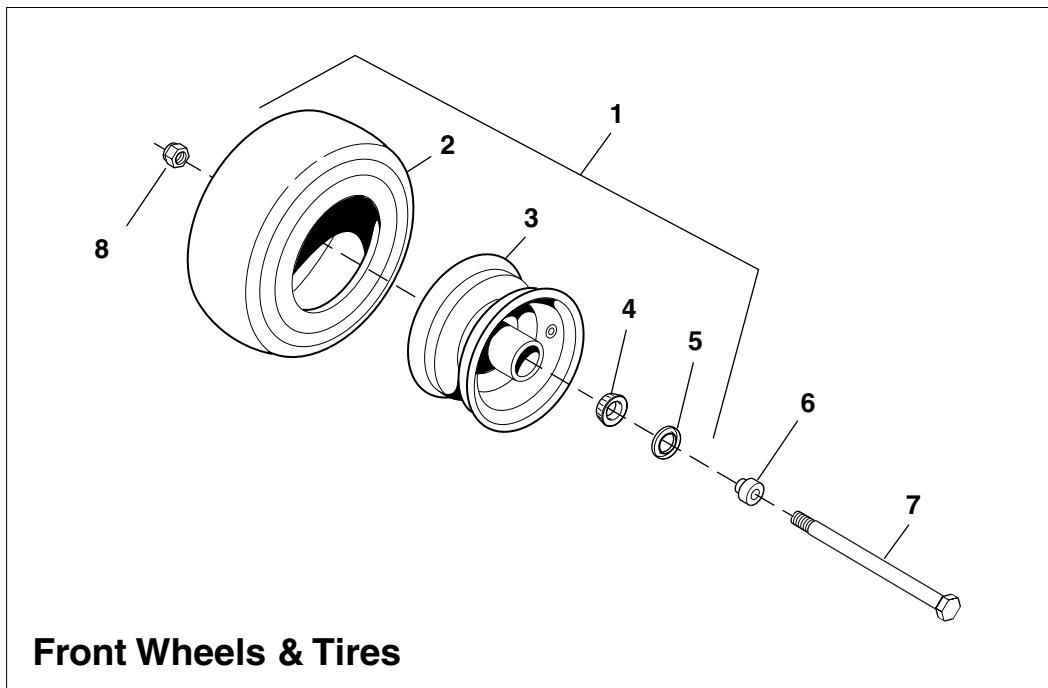
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Tire & Wheel Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

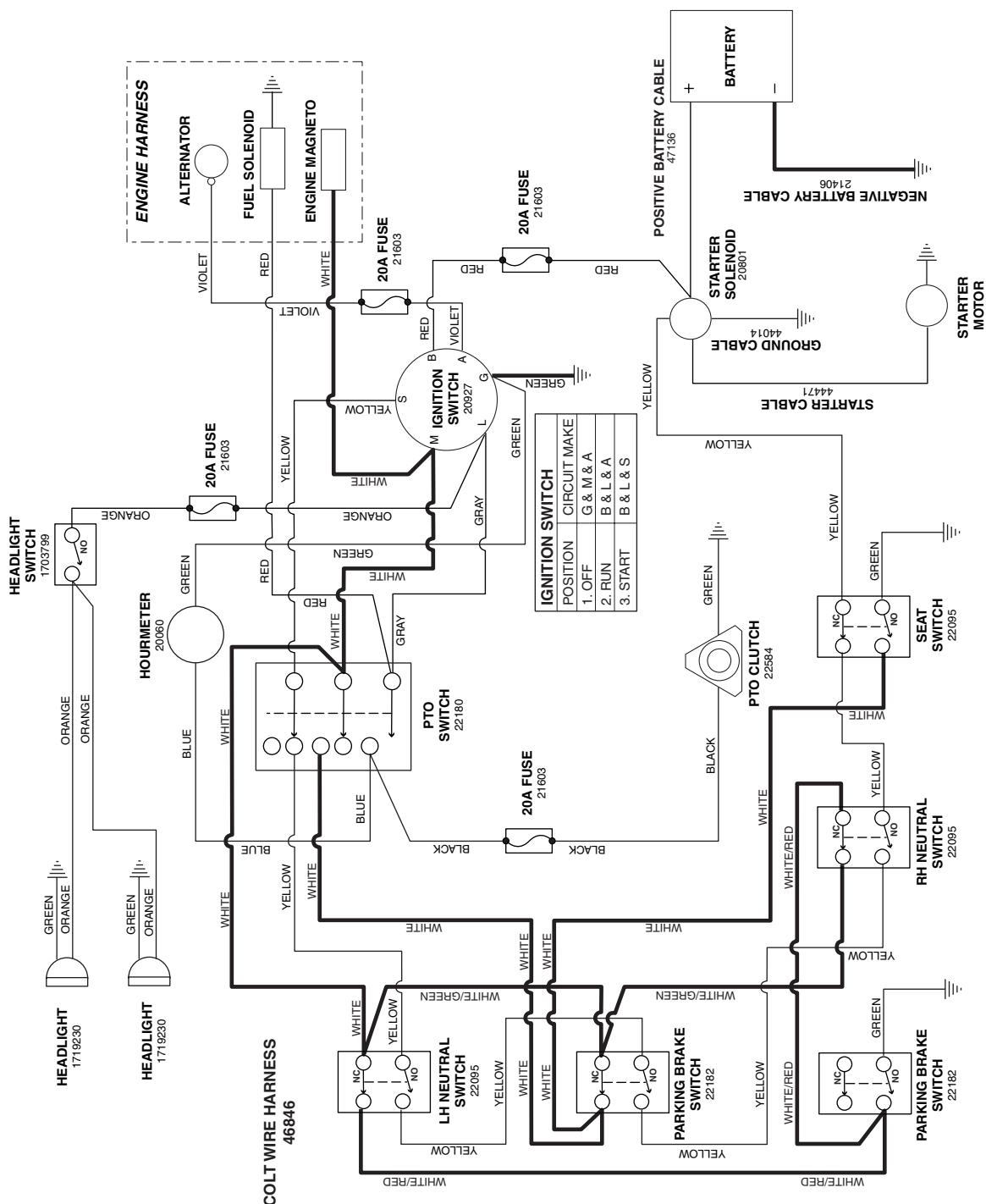
Tire & Wheel Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22631S	2	WHEEL & TIRE ASSEMBLY, Front, 13 x 5.0 x 6, Complete (includes Ref 2-5)
2	22029-1	2	TIRE, Front, 13 x 5.0 x 6
3	22631S-1	2	WHEEL ASSEMBLY, Front, for 13 x 5.0 x 6 Tires, Complete (includes Ref 4 & 5)
4	22631S-2	4	BEARING, Taper Roller (2 per tire)
5	22631S-3	4	GREASE SEAL (2 per tire)
6	47103	4	ADAPTER, Caster Wheel (2 per tire)
7	25017-60	2	CAPSCREW, Hex Hd, 1-2/13 x 7-1/2
8	25056	2	NUT, Hex, Nylon Lock, 1-2/13
9	22646S	2	WHEEL & TIRE ASSEMBLY, Rear, 23 x 9.5 x 12, Complete (Includes Ref 10 & 11)
10	22646S-1	2	TIRE, Rear, 23 x 9.5 x 12
11	22646S-2	2	WHEEL ASSEMBLY, Rear, for 23 x 9.5 x 12 Tires
12	22215	10	WHEEL LUG, 1/2 x 1-5/8

The above parts group applies to the following Model Nos.:

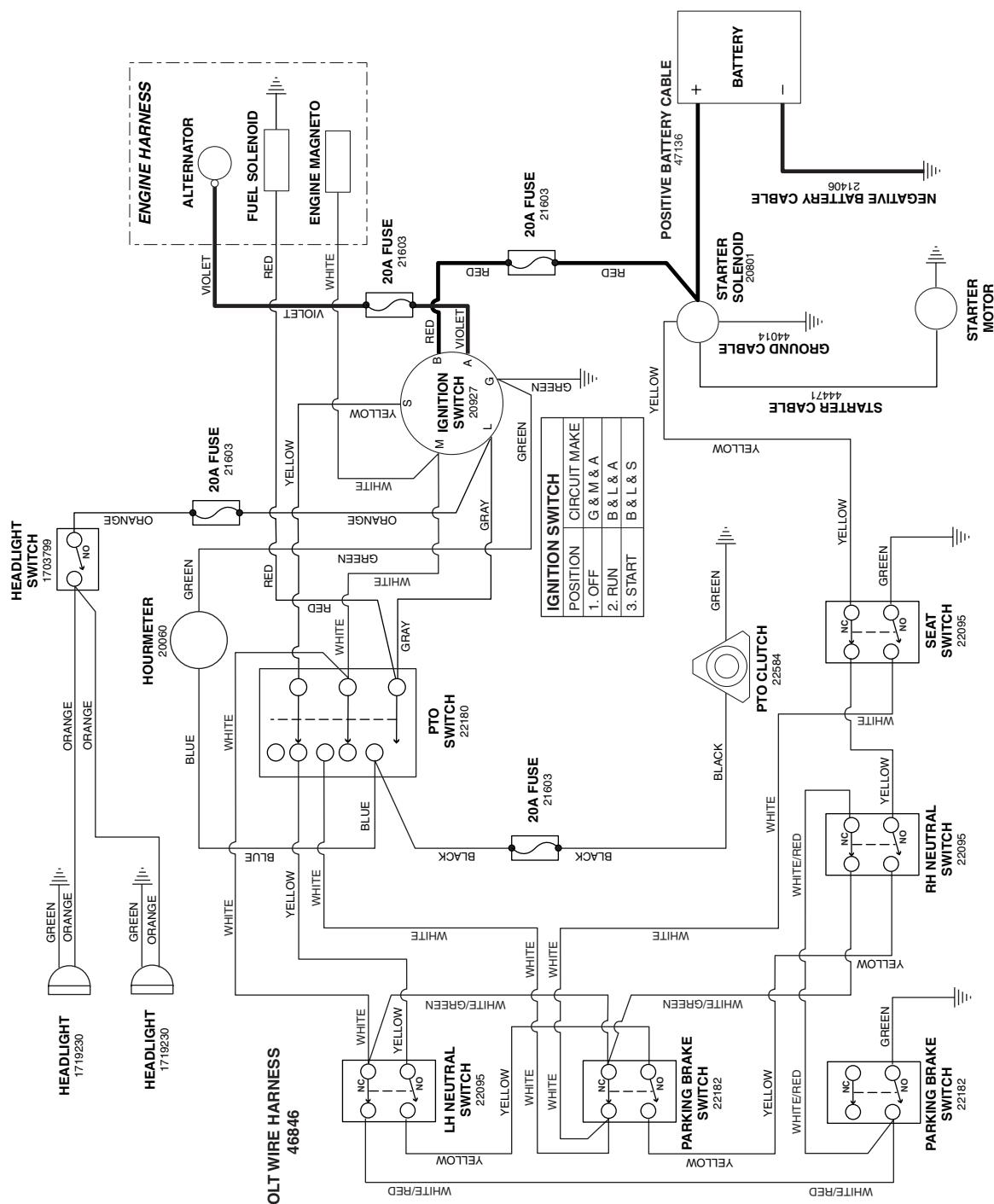
ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Ignition Grounding Circuit/Operator Presence



The above parts group applies to the following Model Nos.:

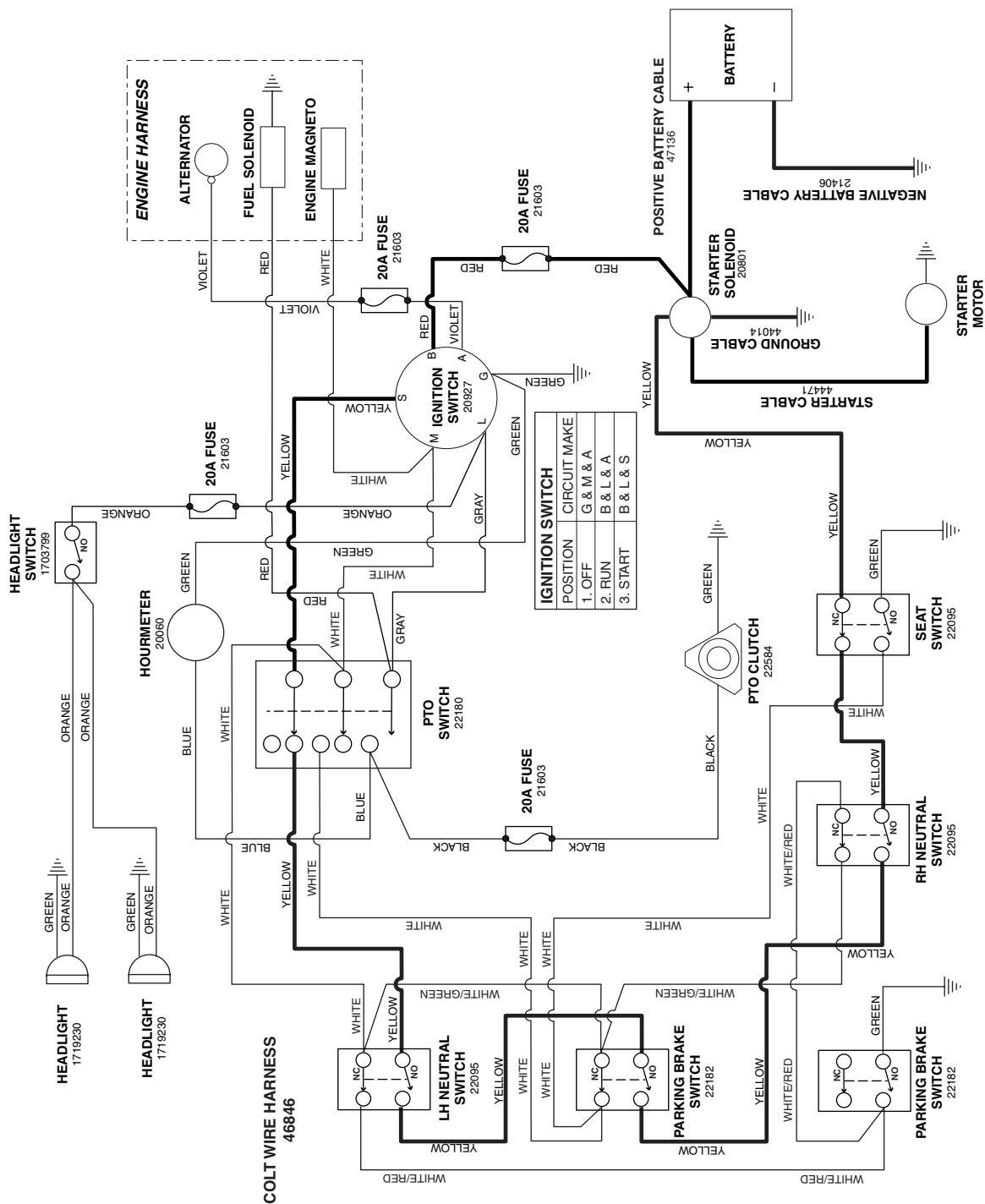
Charging Circuit



The above parts group applies to the following Model Nos.:

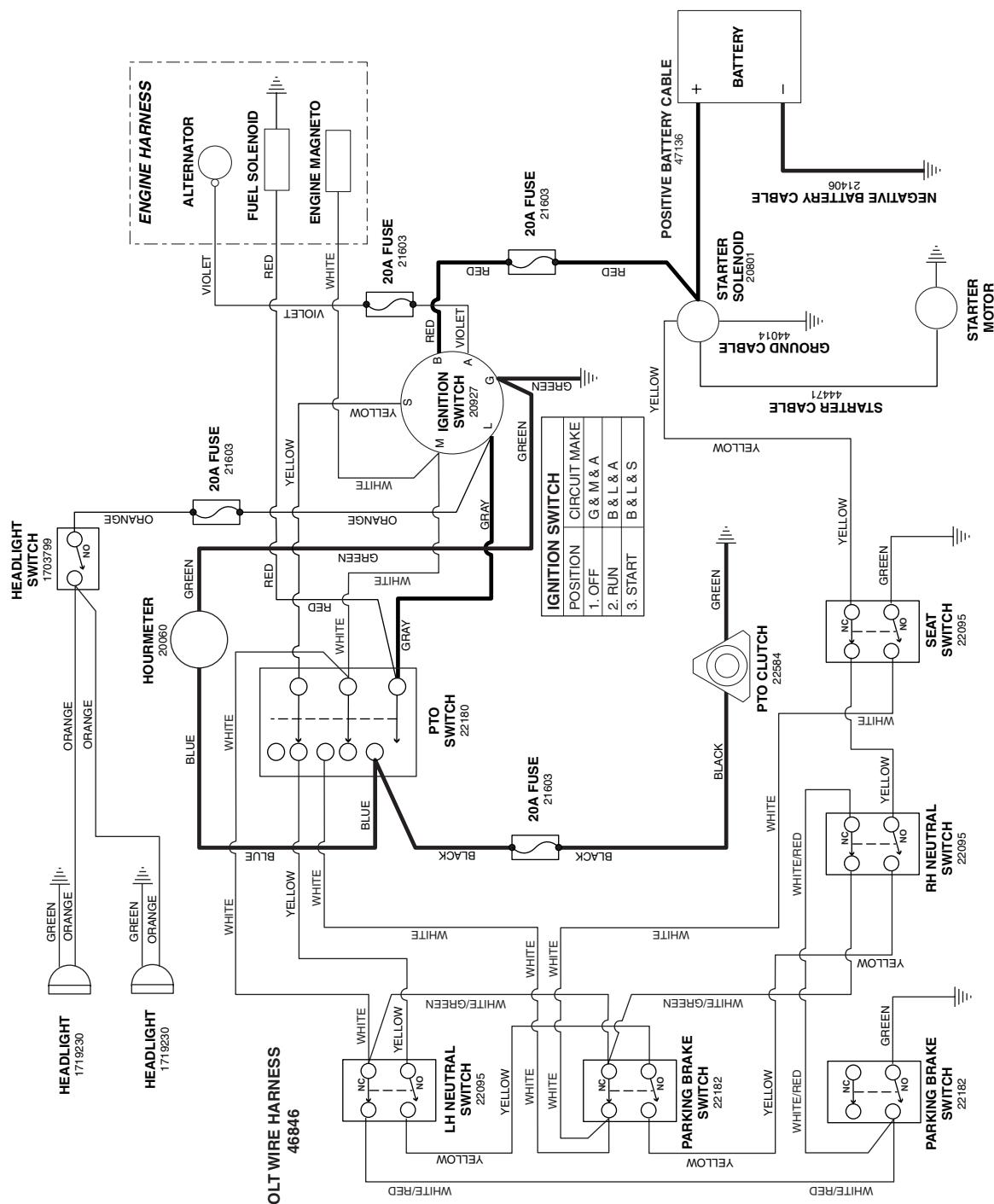
ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower

Cranking Circuit



The above parts group applies to the following Model Nos.:

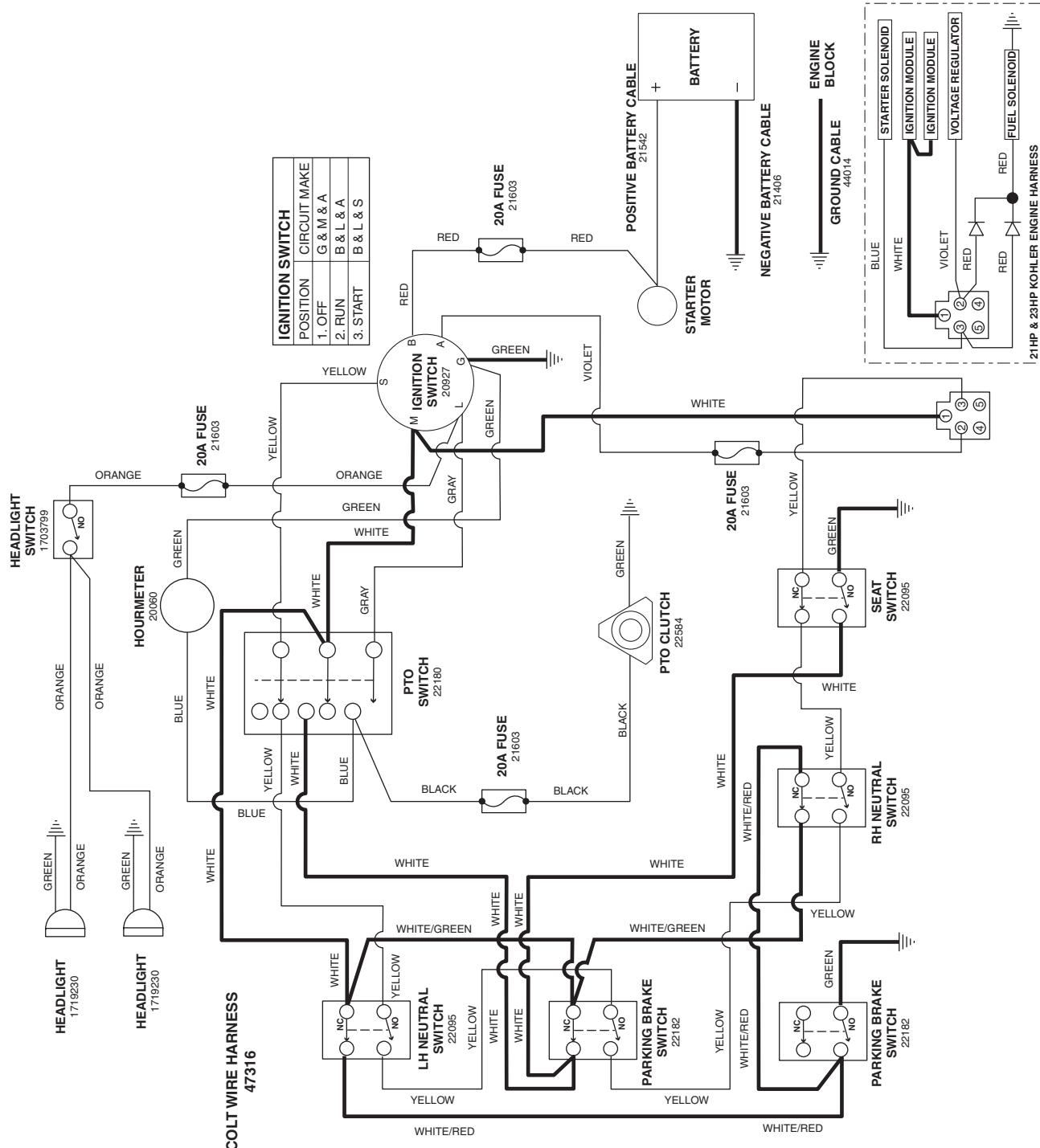
PTO Clutch Circuit



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower

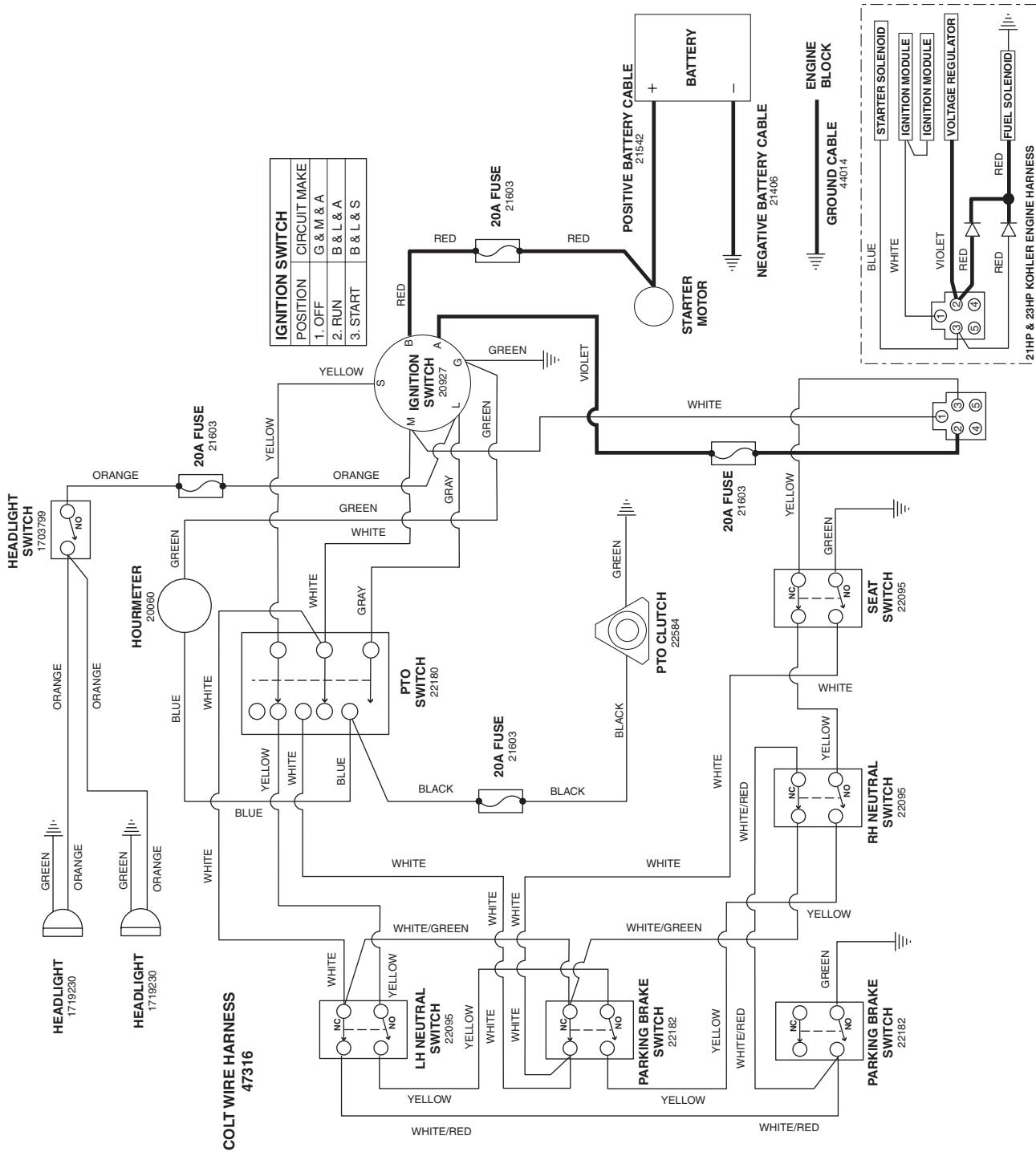
Ignition Grounding Circuit/Operator Presence



The above parts group applies to the following Model Nos.:

These parts group applies to the following model numbers:

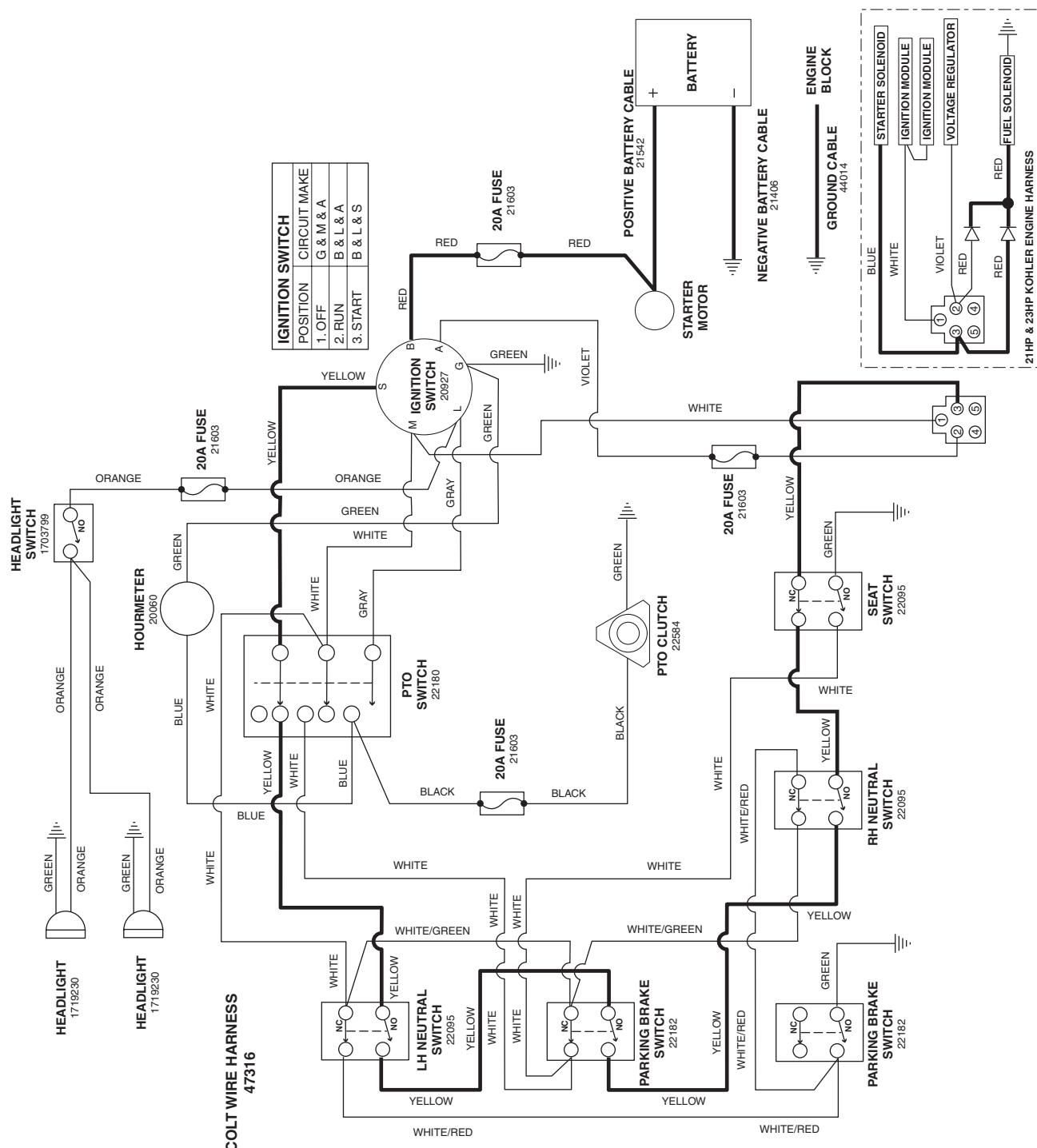
Charging Circuit



The above parts group applies to the following Model Nos.:

10 parts group applies to the following model nos.:
ZT2148K Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352K Colt 23 HP Kohler Rider w/ 52" Mower

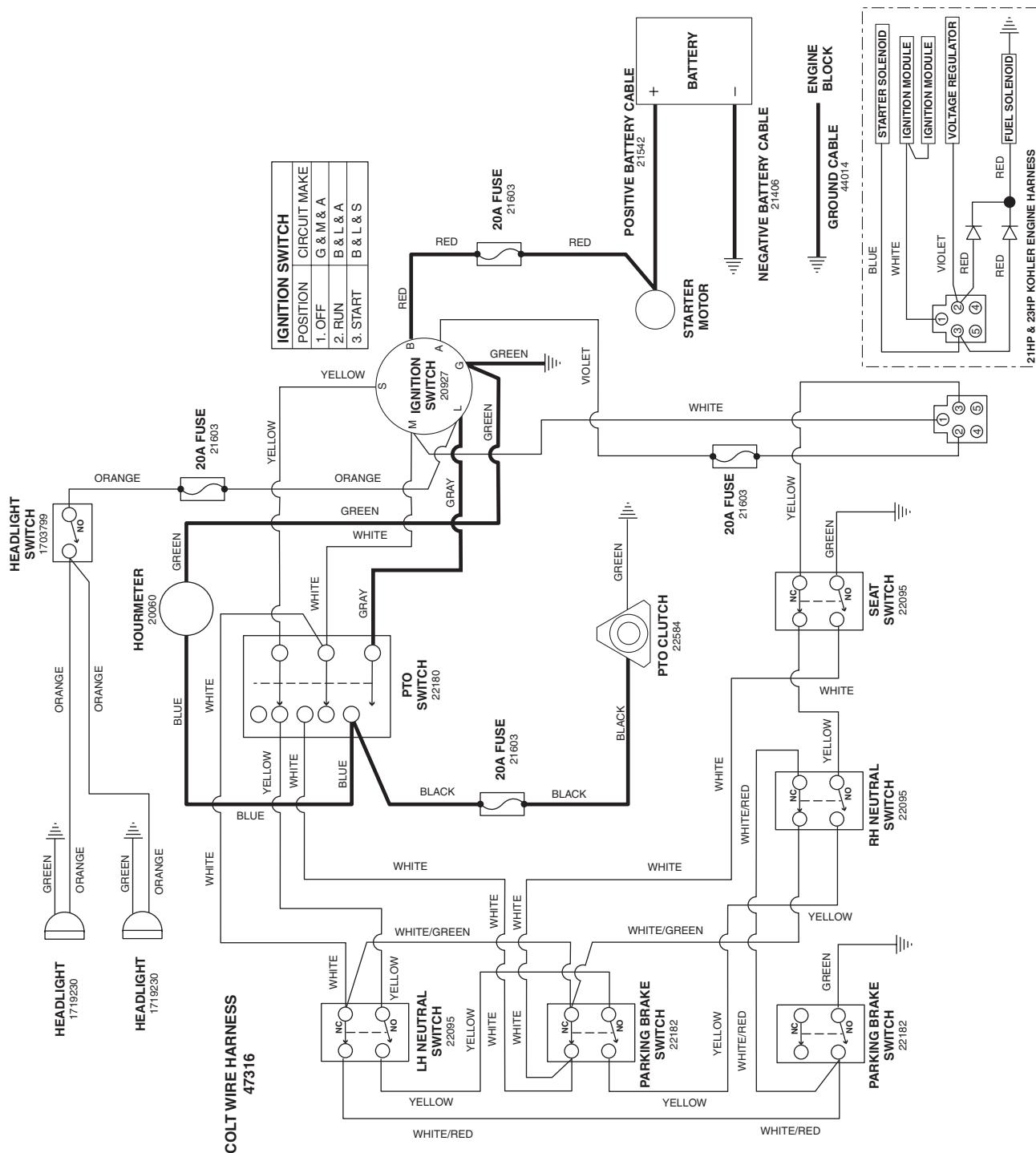
Cranking Circuit



The above parts group applies to the following Model Nos.:

These parts group applies to the following model numbers:

PTO Clutch Circuit



The above parts group applies to the following Model Nos.:

Two parts group applies to the following model nos.:

Decals - Brand & Model

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

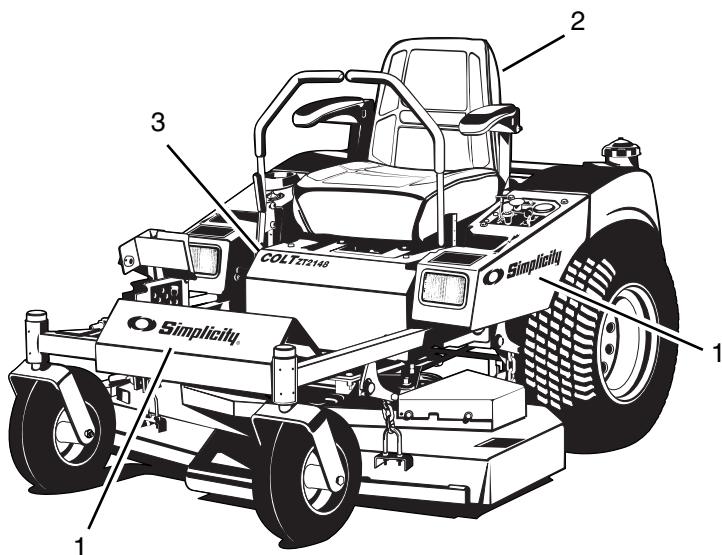


1



2

BUILT BY FERRIS INDUSTRIES
A SIMPLICITY COMPANY



3 — **COLT ZT2148**

4 — **COLT ZT2352**

NOTE: Decals are NOT shown to scale.

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Decals - Brand & Model

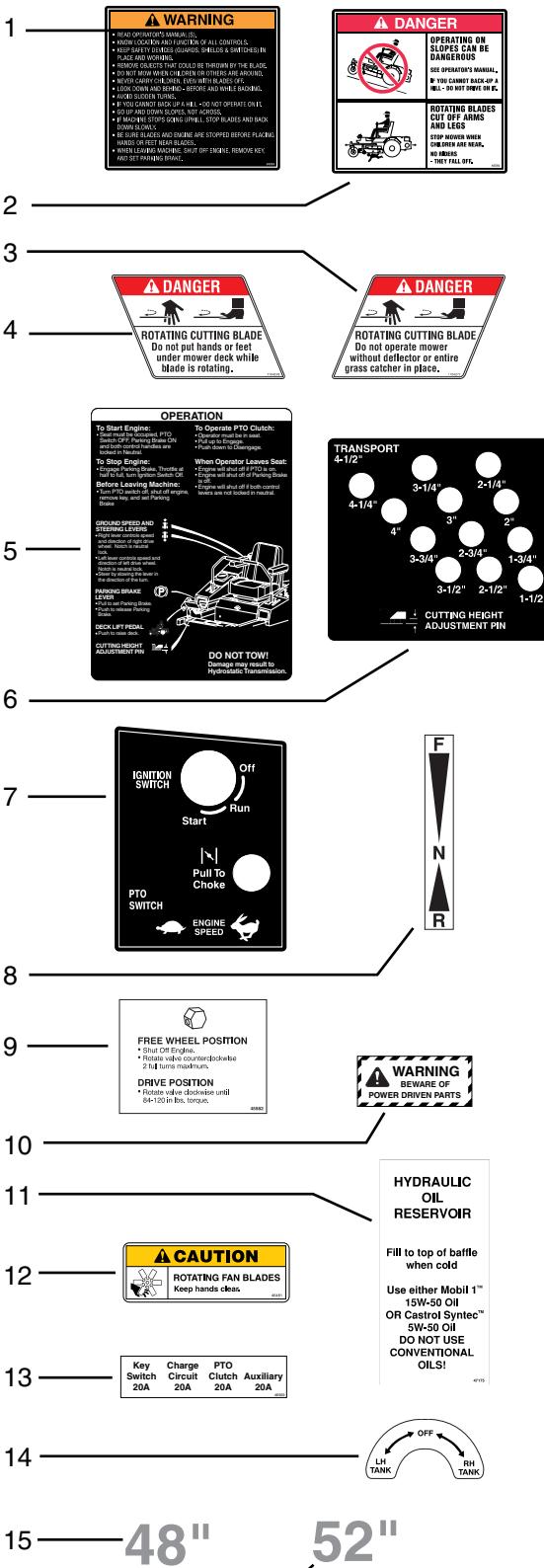
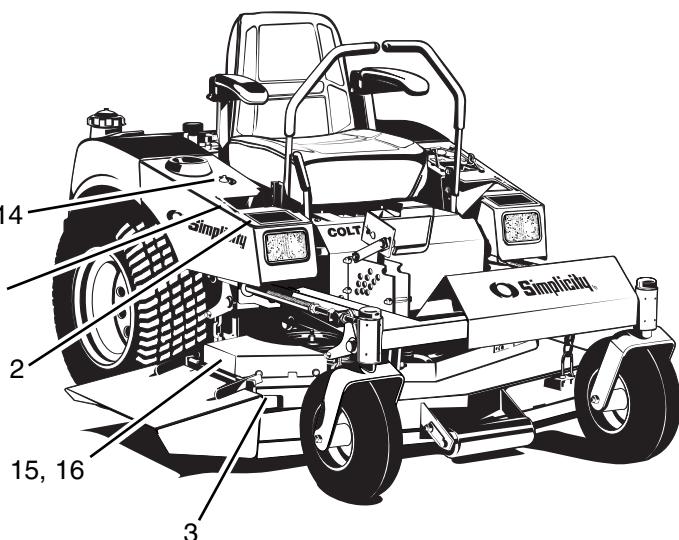
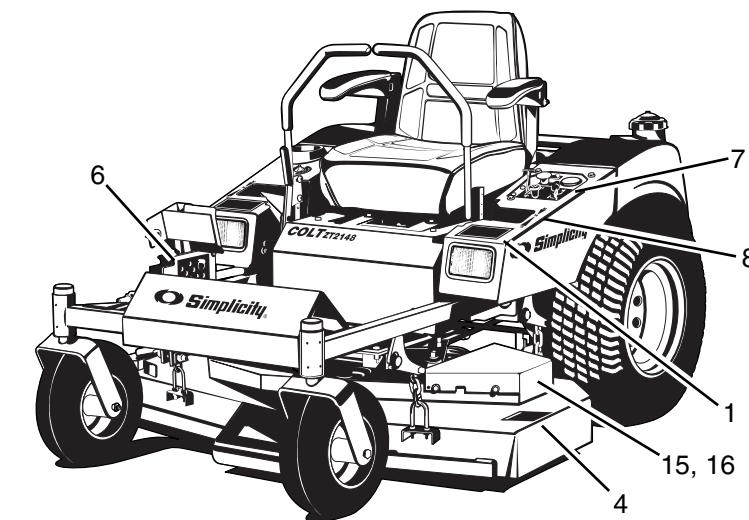
REF NO.	PART NO.	QTY.	DESCRIPTION
1	1722551	3	DECAL, Simplicity Logo
2	45512	1	DECAL, Derby Built By
3	46729	1	DECAL, Colt ZT2148
4	46786	1	DECAL, Colt ZT2352

Footnotes:**The above parts group applies to the following Model Nos.:**

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Decals - Safety & Operation

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



NOTE: Decals are NOT shown to scale.

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Decals - Safety & Operation

REF NO.	PART NO.	QTY.	DESCRIPTION
1	46884	1	DECAL, Warning
2	46885	1	DECAL, Danger
3	1704277	1	DECAL, Danger (Chute In Place)
4	1704276	1	DECAL, Danger (Hand Under Deck)
5	45559	1	DECAL, Operation
6	47138	1	DECAL, Lift Plate
7	45566	1	DECAL, Instrument Panel
8	45561	2	DECAL, Direction
9	45562	2	DECAL, Hydro Release Valve
10	20337	1	DECAL, Warning (on top of mower deck)
11	47175	1	DECAL, Oil Reservoir
12	46481	2	DECAL, Caution Fan
13	46503	1	DECAL, Fuse Location
14	22402	1	DECAL, Fuel Valve
15	22811	2	DECAL, 48"
16	22812	2	DECAL, 52"

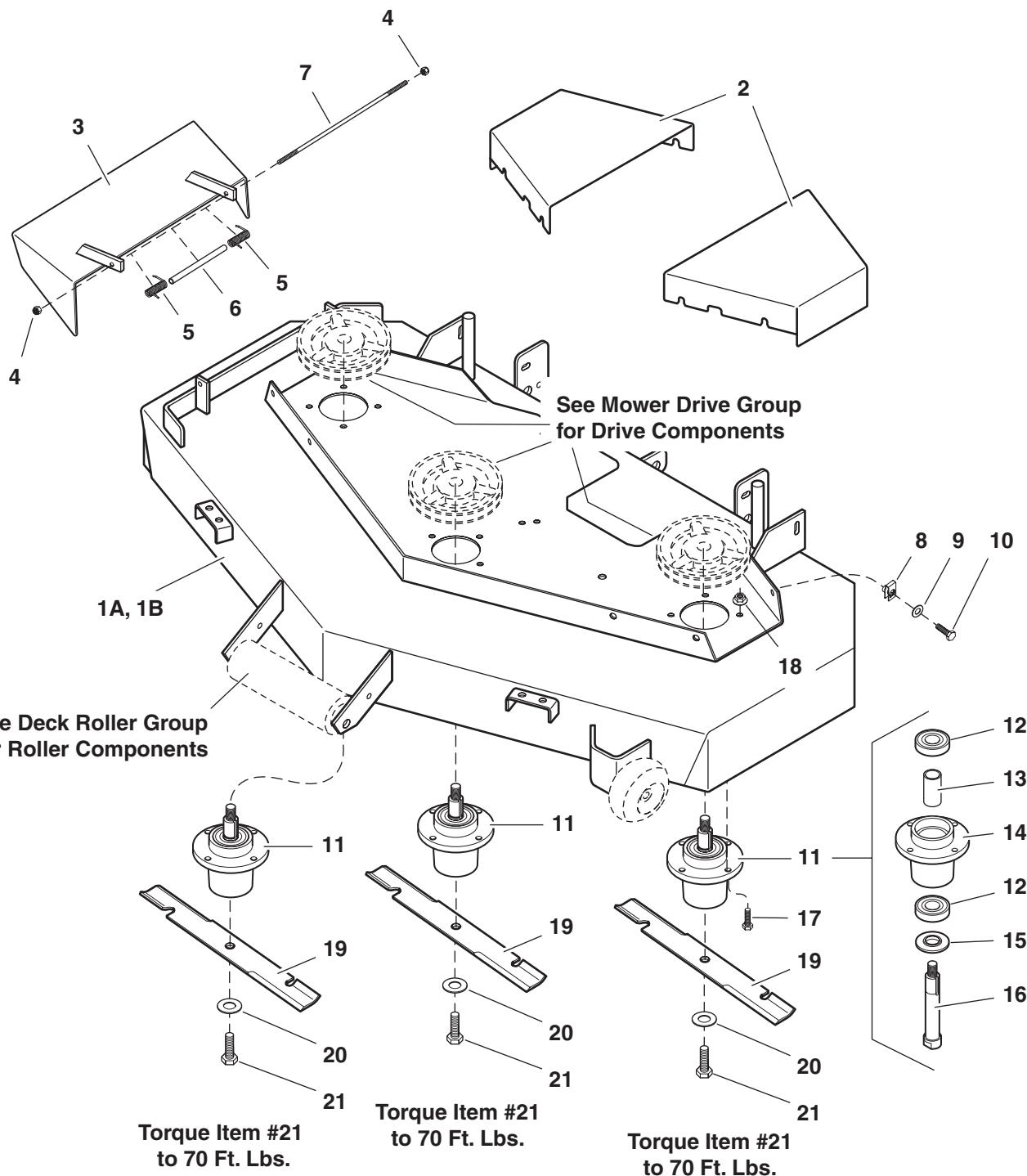
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Mower Housing, Cover, Spindle & Blade Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Mower Housing, Cover, Spindle & Blade Group

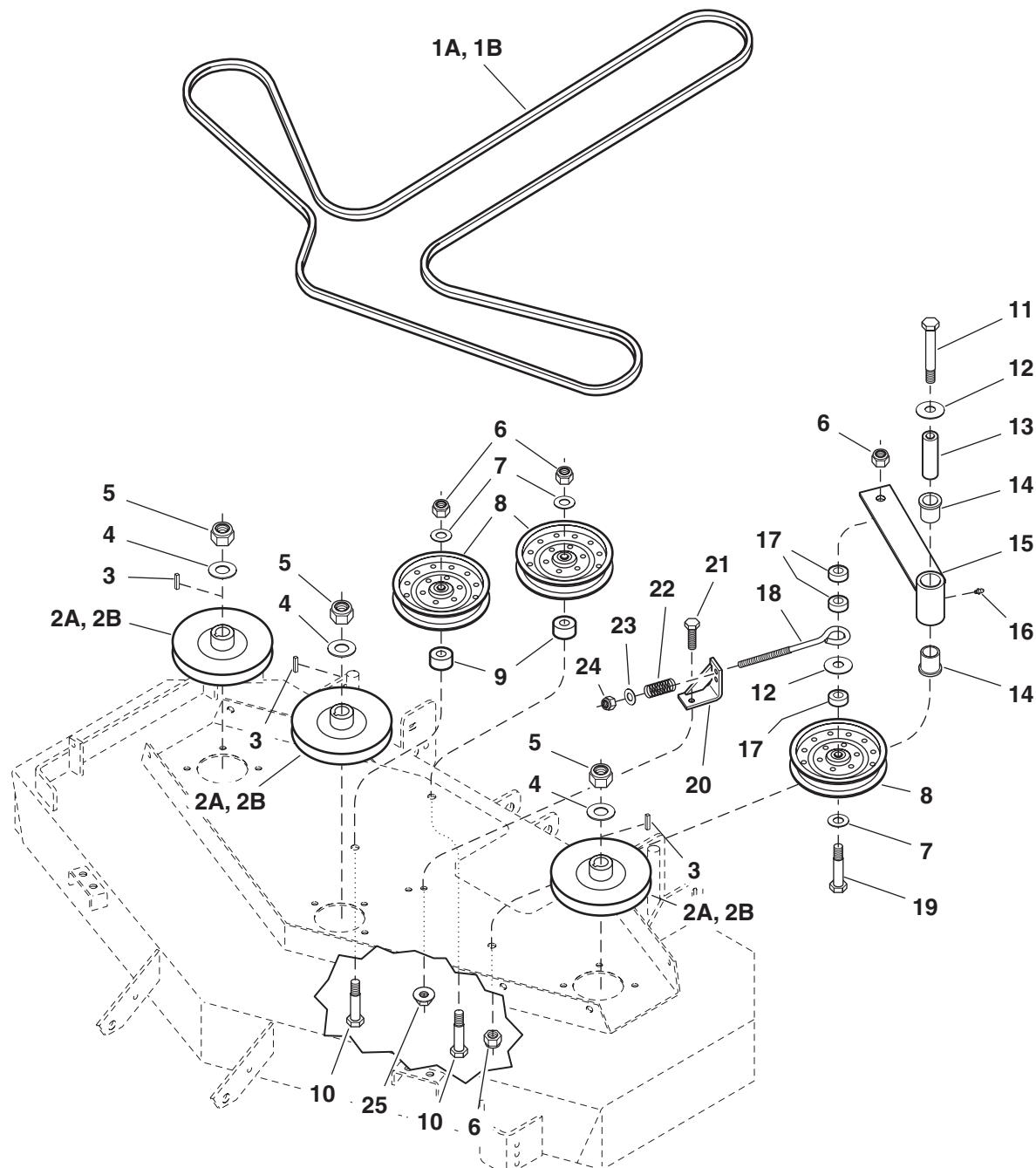
REF NO.	PART NO.	QTY.	DESCRIPTION
1	1846896	1	48" MOWER DECK
*	1846897	1	52" MOWER DECK
2	1847129	2	MOWER DECK GUARD
3	1846445	1	DISCHARGE CHUTE
4	25057	2	NUT, Hex, Nylon Lock, 5/16-18
5	1705080	2	SPRING, Torsion
6	45637	1	SPRING SPACER
7	42555-009	1	ROD
8	22308	6	BODY CLIP, 5/16-18
9	25155	6	WASHER, 5/16
10	25011-6	6	CAPSCREW, Hex Hd, 5/16-18 x 3/4
11	46363	3	SPINDLE ASSEMBLY, Complete (includes Ref 10-14)
12	46363-5	6	BEARING, Roller
13	46363-4	3	SPACER, Bearing
14	46363-1	3	SPINDLE HOUSING
15	46363-3	3	TRASH SHIELD
16	46363-2	3	SPINDLE SHAFT
17	25011-9	12	CAPSCREW, Hex Hd, 5/16-18 x 1-1/8
18	25139	12	NUT, Hex, Serrated Flange, 5/16-18
19	20843	3	MOWER BLADE (48" Deck)
*	21227	3	MOWER BLADE (52" Deck)
20	25159	3	WASHER, USS, 5/8
21	25320-14	3	CAPSCREW, Hex Hd, 5/8-11 x 1-3/4-

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Mower Drive Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Mower Drive Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	22667	1	BELT (48" Deck)
1B	22148	1	BELT (52" Deck)
2A	22622	3	PULLEY, Spindle (48" Deck)
2B	22721	3	PULLEY, Spindle (52" Deck)
3	50407-5	3	KEY, 1/4" x 1-1/4"
4	25318	3	WASHER, Spring
5	25319	3	NUT, Hex, Nylon Lock, 5/8-18
6	25056	4	NUT, Hex, Nylon Lock, 1/2-13
7	25158	3	WASHER, 1/2
8	21976	3	PULLEY, Idler
9	47142	2	SPACER, Idler Pulley
10	25017-24	2	CAPSCREW, Hex Hd, 1/2-13 x 3
11	25017-36	1	CAPSCREW, Hex Hd, 1/2-13 x 4-1/2
12	25150	2	WASHER, USS, 1/2
13	45022	1	IDLER ARM PIVOT SHAFT
14	21541	2	BUSHING, Flange
15	1845106	1	IDLER ARM
16	20095	1	GREASE FITTING
17	45023-009	3	SPACER, Idler
18	21811	1	EYEBOLT
19	25017-28	1	CAPSCREW, Hex Hd, 1/2-13 x 3-1/2
20	1845200	1	SPRING ANCHOR
21	25013-8	1	CAPSCREW, Hex Hd, 3/8-16 x 1
22	22788	1	SPRING, Compression, 2"
23	25156	1	WASHER, 3/8
24	25096	1	NUT, Hex, Nylon Lock, 3/8-16
25	25128	1	NUT, Hex, Serrated Flange, 3/8-16

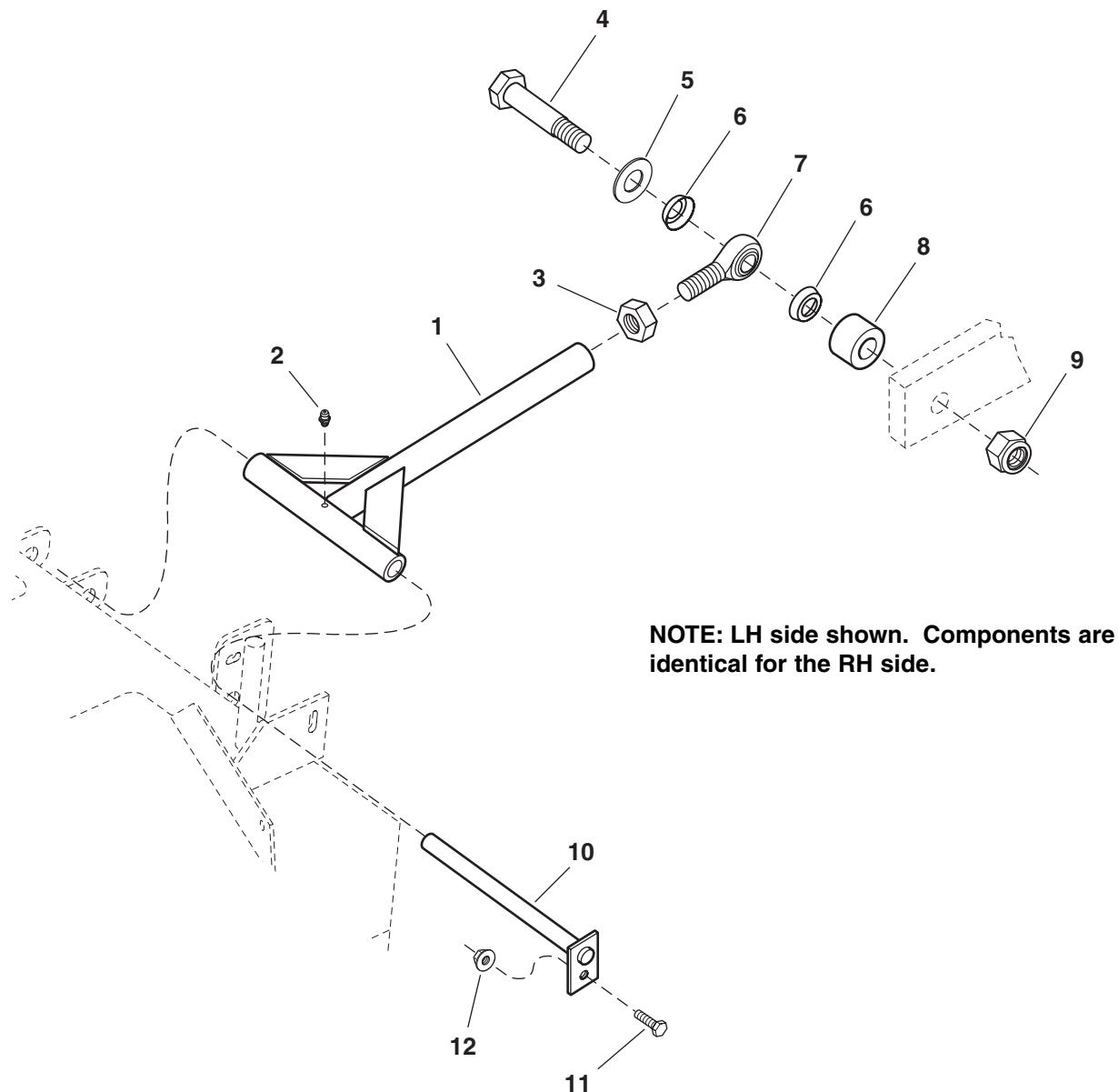
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Mower Rear Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Mower Rear Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1845009	2	DECK PUSHER BAR
2	20095	2	GREASE FITTING
3	25093	2	NUT, Hex, Jam, 3/4-16
4	25265-32	2	CAPSCREW, Hex Hd, 3/4-16 x 4
5	25160	2	WASHER, 3/4
6	22111	4	ROD END SEAL
7	22039	2	BALL JOINT, 3/4-16
8	45093	2	SPACER
9	25284	2	NUT, Hex, Nylon Lock, 3/4-16
10	1845037	2	PUSHER BAR MOUNT PIN
11	25011-8	2	CAPSCREW, Hex Hd, 5/16-18 x 1
12	25139	2	NUT, Hex, Serrated Flange, 5/16-18

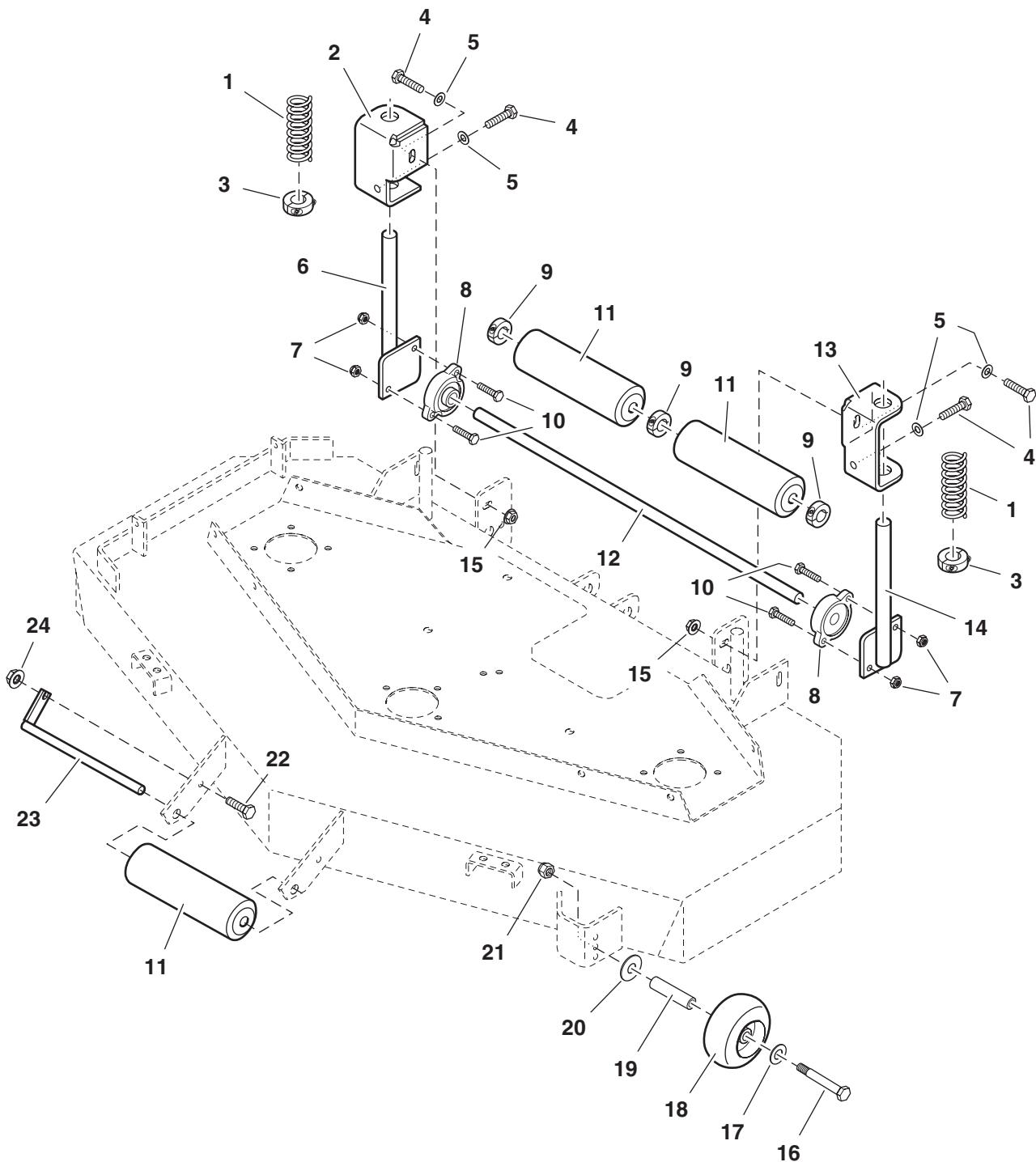
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Mower Deck Roller Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower

Mower Deck Roller Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22845	2	SPRING, Compression
2	1846892	1	MOUNT, Striper-RH
3	20594	2	COLLAR, Double Split, 3/4
4	25011-10	4	CAPSCREW, Hex Hd, 5/16-18 x 1-1/4
5	25155	4	WASHER, 5/16
6	1846901	1	SHAFT, Striper Guide-RH
7	25095	4	NUT, Hex, Nylon Lock, 1/4-20
8	25846	2	BEARING, Flange, 5/8
9	20441	3	COLLAR, Split, 5/8
10	25010-10	4	CAPSCREW, Hex Hd, 1/4-20 x 1-1/4
11	20785	3	ROLLER
12	46903	1	SHAFT, Roller Mount
13	1846893	1	MOUNT, Striper-LH
14	1846900	1	SHAFT, Striper Guide-LH
15	25139	4	NUT, Hex, Serrated Flange, 5/16-18
16	25013-28	1	CAPSCREW, Hex Hd, 3/8-16 x 3-1/2
17	25156	1	WASHER, 3/8
18	1716353	1	WHEEL
19	45992	1	WHEEL AXLE
20	25305	1	WASHER, Heavy, 3/8
21	25096	1	NUT, Hex, Nylon Lock, 3/8-16
22	25013-8	1	CAPSCREW, Hex Hd, 3/8-16 x 1
23	1841655	1	ROLLER PIN
24	25128	1	NUT, Hex, Serrated Flange, 3.8-16

Footnotes: Ref No. 16-21 apply to the 52" mower only

The above parts group applies to the following Model Nos.:

ZT2148	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148B	Colt 21 HP Briggs & Stratton Rider w/ 48" Mower
ZT2148K	Colt 21 HP Kohler Rider w/ 48" Mower
ZT2352	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352B	Colt 23 HP Briggs & Stratton Rider w/ 52" Mower
ZT2352K	Colt 23 HP Kohler Rider w/ 52" Mower